134F0374

FC-102N110T4E20H2XGCXXXSXXXXAXBXCXXXXDX

Frequency Converter
FC-102N110T4E20H2XGCXXXSXXXXAXBXCXXXXDX
VLT® HVAC Drive FC-102
(N110) 110 KW / 150 HP,
Three phase, 380 - 480 VAC,(E20) IP20 / Chassis
RFI Filter
No brake chopper
Graphical Loc. Cont. Panel
Coated PCB, No Mains Option
Latest release std. SW.
Frame: D3H
No A Option, No B Option
No C1 option, No D option

Other options according to Model Code

Model code: FC-102N110T4E20H2XGCXXXSXXXXAXBXCXXXXDX

Danfoss VLT® HVAC Drive FC-102 Drive is dedicated toventilation, heating, and refrigeration applications. With a wide rangeof powerful standard and optional features, the Drive provides thelowest overall cost of ownership.

View Efficiency Data

PRODUCT DETAILS

Gross weight		67 Kilogram	
Net weight		62 Kilogram	
EAN		5710107400751	
Product View (Switch)	GLBL	Global (Standard)	
Product Group	FC-	VLT® HVAC Drive FC-	
Series	102	102	Advanced version
Power Rating	N110	(N110) 110 KW / 150 HP	
Phase	T	Three phase	
Mains Voltage	4	380 - 480 VAC	
Enclosure	E20	(E20) IP20 / Chassis	Normal cabinet mounting A, B & C Frames
RFI Filter	H2	RFI Filter	H1: Integrated EMC filter. Fulfil EN 55011 Class A1/B and EN/IEC 61800-3 Category 1/2.H2: No extra EMC filter. Fulfil EN 55011 Class A2 and EN/IEC 61800-3 Category 3.H3: Integrated EMC filter. Fulfil EN 55011 class A1/B and EN/IEC 61800-3 Category 1/2 (enclosuresize A1 only).See Design Guide for specific cable length depending on power size.
Brake - Safe Stop	X	No brake chopper	
LCP	G	Graphical Loc. Cont. Panel	Graphical Local Control Panel (LCP-102)

PRODUCT DETAILS

Coating PCB	C	Coated PCB	
Mains Option	X	No Mains Option	
Adaptation A	X	Standard Cable Entries	
Adaptation B	X	No adaptation	
Software Release	SXXX	Latest release std. SW.	
Software Language Pack	X	Standard Language Pack	Software
A Option	AX	No A Option	
B Option	BX	No B Option	
C0 Option MCO	CX	No C0 option	
C1 Option	X	No C1 option	
C Option Software	XX	No software option	Configuration software for speed synchrnisation between drives
D Option	DX	No D option	
Frame Size	D3H	D3H	
Product Catalog	NO_VIEW	NO VIEW	
Typecode Part 1		FC-102N110T4E20H2XGC	
Typecode Part 2		XXXSXXXXAXBXCXXXXDX	
Power 110% (NO) [KW]	110	110	
Height [mm]	909,0	909,0	
Height w/ Regen/Loadshare [mm]	1004,0	1004,0	
Width w/ no C options [mm]	250,0	250,0	
Depth [mm]	375,0	375,0	
Depth with Option A/B [mm]	375,0	375,0	
kVA	147	147	
Power Loss NO [W]	2555	2555	
Power Loss NO [W]	2257	2257	
Continuous Current (NO) [A]	212	212	
Intermittent Current (NO) [A]	233	233	
Continuous Current (NO) [A]	190	190	
Intermittent Current (NO) [A]	209	209	
Calculated Gross Weight [kg]		62.3	
Calculated Net Weight [kg]		62	
ECCN EU	Y901	Y901	
ECCN US	3A999.a	3A999.a	
Plant from Orderline	B901	B901	
Vendor	ERR01	Cannot Determine Vendor	
Recommended Factory	ERR01	Cannot Determine Vendor	
Modelcode01		FC-102N110T4E20H2XGC	
Modelcode02		XXXSXXXXAXBXCXXXXDX	

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store

Accessories

Image coming soon

176F3627

Cooling Kit, in btm/ out top, 1800, D3h

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

Image coming soon

176F3625

Cooling Kit, in back/ out back, D3h

Image coming soon

176F3633

Cooling Kit, in back/out back, D3h

kit, cooling, in back out back, 3r, d3h

Image coming soon

176F3629

Cooling Kit, in btm/out top, 2000mm, D3h

Image coming soon

176F3409

Adapter Plate, D1h/D3h

VLT® drive replace adptr plate d1h d3h

130B1243

VLT® Analog I/O Option MCB 109, coated

I / O extension for FC 100, easy to retrofit thanks to modular technology.
Analog inputs / outputs galvanically isolated.
Expands the analog inputs / outputs by:
3 analog inputs: 0 ... 10V / Pt1000 / Ni1000
3 analog outputs: 0 ... 10V
Time switch (RTC backup): lithium cell for 10 years

130B1170

LCP Panel Mounting Kit

The kit includes fasteners and gasket. No LCP and no cable included.

130B1212

VLT® General Purpose I/O MCB 101, ctd

MCB 101 - Advanced I / O option
Expands the number of freely programmable
Control inputs and outputs around the following I / Os:
- 3 digital inputs opto-decoupled 0 - 24 V.
- 2 analog inputs 0 - 10 V.
- 2 digital outputs NPN / PNP switchable 24 V
- 1 analog output 0/4 - 20 mA
with reinforced coating

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

130B1210

VLT® Relay Option MCB 105, coated

Relay extension for FC 100 and FC 300.
Extension with 3 additional load relays (changeover contacts),
easy to retrofit thanks to modular technology.
Painted version for harsh environments,
easy to retrofit thanks to modular technology.
Max. Load 240V AC (resistive): 2 A
Max. Load 240V AC (Cos Phi 0.4): 0.2 A
Max. Load 24V DC (ohmic): 1 A
Max. Load 24V DC (inductive): 0.1 A

130B1208

1xMCB 107 24V DC coat w. mount. brackets

Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.

130B1202

VLT® DeviceNet MCA 104, coated

MCA 104 - DeviceNet interface Option for FC300 and FC100
for mounting on the control card. Painted version

130B1386

VLT® Profibus DP V1 MCA 101, ctd, 5pcs

130B1385

VLT® Profibus DP V1 MCA101, unctd 5pcs

130B1135

VLT® PROFINET MCA 120, uncoated

MCA 120 PROFINET interface
-Supports operation on PROFINET network with extensive properties
-DCP support for easy setting u. Communication parameters via the PLC
- On Board web-Page with Drive Status
- Parameterization with the MCT10 software
- 2 port version, reduced external hardware

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

130B1125

VLT® General Purpose I/O MCB 101,unctd

MCB 101 - Advanced I / O option
Expands the number of freely programmable Control inputs and outputs around the following I / Os:
- 3 digital inputs opto-decoupled 0 - 24 V.
- 2 analog inputs 0 - 10 V.
- 2 digital outputs NPN / PNP switchable 24 V
- 1 analog output 0/4 - 20 mA

130B1124

VLT® Control Panel LCP 101, numeric

Numerical control unit for FC 100 and FC 300. Allows access to all device parameters.
Quick menu for brief commissioning. Manual / auto switchover and alarm acknowledgment.

130B1117

LCP Mounting Kit, w/ no LCP

The kit includes fasteners, 3m cable and gasket - There is no LCP
included.

130B1110

VLT® Relay Option MCB 105, uncoated

Relay extension for FC 100 and FC 300. Extension with 3 additional load relays
(changeover contacts), easy to retrofit thanks to modular technology.
Max. Load 240V AC (resistive): 2 A
Max. Load 240V AC (Cos Phi 0.4): 0.2 A
Max. Load 24V DC (ohmic): 1 A
Max. Load 24V DC (inductive): 0.1 A

130B1143

VLT® Analog I/O Option MCB 109, unctd

I / O expansion for FC 100, through modular technology easy to retrofit. Analog inputs/outputs
galvanically isolated.
Expands the analog inputs / outputs by:
3 analog inputs: 0 ... 10V / Pt1000 / Ni1000
3 analog outputs: 0 ... 10V
Time switch (RTC backup): lithium cell for 10 years

130B1137

VLT® PTC Thermistor Card MCB 112, ctd

MCB 112 PTC - thermistor relay MS220DA In connection with ATEX certified explosion-proof
motors for full motor protection. Certified PTC sensors are the sole protection required.
Integrable module with ATEX-compliant full thermal motor protection
1 PTB-certified PTC thermistor input
1 switch-off signal for using the Safe Stop function
1 logic output for error identification

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

130B1071

6 Pole Connector, FC series,10 pcs

6-pole spring cage connectors 10 pcs

130B1070

RS485 plug, FC series,10 pcs

10pcs RS485 connectors for FC-series.

Product group: R

130B1088

LCP Blindcover, w/ Danfoss logo, IP20/21

175Z0929

LCP Cable, 3m

Cable for control panel (LCP), 3 meters

Works with the following LCP:

Alphanumeric control panel LCP3 - 175N0131

VLT® LCP 102 Graphic Display - 130B1107

VLT® LCP 101 Numeric Display - 130B1124

VLT® LCP 102 Graphic display IP66 - 130B1078

Product group: F1

Image coming soon

175U0009

Mounting bracket Kit, 216 x 30 x 18mm

Mounting angle for flatpack resistor 200W

175N2584

VLT® EtherNet/IP Modbus TCP gateway

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B5925

Pressure Transmitter

VLT PTU 025 pressure transmitter unit
for external attachment to frequency converters
VLT HVAC Drive FC-102 IP55 / IP66 on one
the cable entries suitable for M25
- with four pressure sensors 2x 0-500 Pa;
1x 0-1000 Pa; 1x 0-2500 Pa
- eight hose connections D 5mm
- Can be positioned 360 ° around the longitudinal axis
Software version of the frequency converter FC-102
at least 5.20 am required
Mounting thread: M25
Dimensions LxW: 155mm x 38mm
(Length with hose support rail 260.5mm)
Degree of protection: IP66

Image coming soon

134B5225

Remote LCP unit, 10m

Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable

Image coming soon

134B5224

Remote LCP unit, 5m

Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable

134B5223

Remote LCP unit, 3m

Remote mounting kit for LCP with cover for outdoor mounting with 3 m (10 ft) cable

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B0460

LCP 103 Wireless Communication Panel

With VLT® Wireless Communication Panel LCP 103 you can communicate with MyDrive® Connect - an app that can be downloaded for iOS and Android based smartphones. MyDrive® Connect makes commissioning easy, monitor and maintain tasks on your frequency converter. VLT® Wireless Communication Panel LCP 103 shows the current status of the drive (On, Warning, Alarm, Wifi connection) via built-in LED. Detailed information is also available using MyDrive® Connect. Here do you have access to i.a. status, menu and alerts. You can also see graphs over the latest available data.
The new VLT® Wireless Communication Panel LCP 103 allows you to wireless communication to the following drives:
- VLT® HVAC Drive FC 102
- VLT® Refrigeration Drive FC 103
- VLT® AQUA Drive FC 202
- VLT® AutomationDrive FC 302
[!] Note!
LCP 103 only works on frequency converters produced in 2018 (White USB stik).
Product group: R1

Image coming soon

134B1992

Control Terminals w/ screw connections

130B1144

VLT® BACnet MCA 109, uncoated

Open communication protocol dedicated to building automation
- Efficient integration of all parts of building automation equipment
- BACnet: standard for building automation worldwide
- International standard ISO 16484-5
- can be used in all sizes of building automation systems
- the Drive communicates easily with construction management systems running the BACnet protocol
- can be easily integrated into the network of existing control equipment
Product group: R1

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

130B1244

VLT® BACnet MCA 109, coated

A. Device profile: Application-Specific-Controller (B-ASC)
Supported objects: Analog Input, Analog Output, Analog Value, Binary Input, binary output,
Binary Value, Device, Multi-State Output, Notification Class
Protocol: Building automation world standard ISO 16484-5
Data Link Layer: MS / TP 9600, 19200, 38400, 76800
Data sharing: ReadProperty-B, DS-RP-B
ReadPropertyMultiple-B, DS-RPM-B
WriteProperty-B, DS-WP-B
WritePropertyMultiple-B, DS-WPM-B
Alarm and Notification Internal-B, AE-N-I-B
Event Notification: ACK-B, AE-ACK-B
Information-B, AE-INFO-B
Device and Network Dynamic Device Binding-A, DM-DDB-A
Management: Dynamic Device Binding-B, DM-DDB-B

130B1206

VLT® LonWorks MCA 108, coated

Lonworks interface for FC 100. With modular technology
Fieldbus option that can be easily retrofitted for the decentralized integration of the Frequency converter. The fieldbus option is based on the LonWorks Technology and corresponds to the LonMark Interoperability Guide.
Painted version for harsh environments
Hardware: Module technology for option slot A
Transceiver: Free topology FTT 10
Transfer rate: 78kbit / s
Protocol: Echelon LonTalk

Image coming soon

176F6760

KIT,DUCT,IN-BOTTOM/OUT-TOP,D3H

Image coming soon

176F3812

KIT,MULTI WIRE,MOTOR,BB,D1H,D3H,P454

Image coming soon

176F3854

KIT,MULTI WIRE,MAINS,BB,D1H/D3H,P454

KIT,MULTI WIRE,MAINS,BB,D1H/D3H,P454

Image coming soon

176F6770

KIT, COMMON MODE, T5/50M, P454

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

Image coming soon

176F3519

kit,cooling,in back out back,weld,d3h

Image coming soon

176F3520

kit,cooling,in back out back,ss,weld,d3h

Image coming soon

176F3521

kit,cooling,in back out back,3r,weld,d3h

Image coming soon

176F3522

kit,cooling,in bottom out back,d1h d3h

130B0295

sparepart/terminals accessory bag

Image coming soon

176F4055

USB service port extension D3h, E3h, E4h

134B1586

VLT® BACNET/IP MCA125

The VLT® BACnet/IP MCA 125 option is a plug-and-play solution that optimizes the use of VLT® HVAC Drive together with building management systems using the BACnet/IP protocol or running BACnet on Ethernet.

The embedded three-port managed switch of the VLT® BACnet/IP MCA 125 option comprises two external and one internal Ethernet port. This switch allows the use of line structure for the Ethernet cabling. In modern installation this is becoming increasingly attractive

Image coming soon

130B4847

extension cable for lcp+communication

134B8814

VLT® PROFINET MCA120 coated 5pcs

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B8492
Transducer 0-10g, 4-20mA; HS-22B50

134B8493
Transducer 0-25mm/s RMS 4-20mA
CBM Transducer 0-25mm/s RMS 4-20mA

134B8494
Transducer w, temp 0-25mm/s RMS 4-20mA

134B8496
CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.

Image coming soon

134B8497
Cable assy, M12 female connec.10m screen

Image coming soon

134B6883
VLT Progr. Contr. MCB 301, coated

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B9414

Antifreeze Thermostat FS20, 0/+15C

TWO-PHASE FROST PROTECTION THERMOSTATS FS-20-UW
Electronic frost protection thermostat or frost monitor with switching relay output, continuous temperature and valve output (summation output 0–10 V) and control and cascading output (0–10 V), optionally with connection for a heating element. A IP65 resistant plastic housing with display with the actual temperature, measuring range, overrange/underrange of the set switch point (frost protection temperature) and alarm indicator for "frost" or "error" (capillary breakage, overvoltage/undervoltage), quick-locking screws and a fully active sensor rod made of copper. The delivery scope includes a set of MK-05-K mounting clamps for expert attachment of the sensor rod.
Measuring range: 0...+15 °C / 32...+59 °F
Accuracy: typical ± 1 K (at +10 °C)
Sensor type: 3m Copper rod active along the entire sensor length, min. response length of 25 cm
Input: 1 x 0 -10 V control input DDC
1 x 0 -10 V output valve (frost signal with control voltage and cascading)
1 x potential-free changeover contact (24 V), range of adjustment 0...+15 °C
Current consumption: max. 100 mA at 24 V DC
Load resistance: RL > 50 kOhm
Ambient temperature: –15...+50 °C / 5...+122 °F (Housing) –20...+60 °C / -4...+140 °F Sensor and capillary tube > 20 cm from the housing.
Power: 24VAC/DC (± 10%) 24DC <2,4W
T2-IP65 plastic housing with three-line display 70x40 mm (WxH), a M16 cable glands and MK-05-K mounting clamps.
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B9413

Airflow Sensor KLQ CO2 & Air Quality

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB
Maintenance-free duct sensor covering air quality (VOC 0…100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).
VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration
VOC measuring range: 0...100 % air quality; referred to calibrating gas

temperature dependence: ± 5 ppm pro °C or ± 0,5 % of measured value pro °C (whichever is higher) pressure dependence: ± 0.13 % per mm Hg
Medium: clean air and non-aggressive, non-combustible gases
Power: 24VAC/DC (± 10%) 24DC <1,6W
Operation temperature: –10...+60 °C / 14...+140 °F
T2-IP65 plastic housing two M20 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9412

Airflow Sensor TF65 PT1000 Temperature

DUCT TEMPERATURE SENSOR TF 65
The TF 65 temperature measuring transducer is a PT1000 class B resistance sensor with passive output. Measuring range from –30...+150 °C. In a resistant IP67 plastic housing and M16 cable gland for cable connection and a straight protective measuring tube and a mounting flange.
Sensor type: PT1000 class B (DIN EN 60751) 1000ohm at 0°C ± 0,3 K
Measuring range: –30...+150 °C/ –22...+302 °F
Ambient temperature: –20...+100 °C / –4...+212 °F
Testing current: < 0.6 mA
Insulating resistance: 100 M#, at +20 °C (500V DC)
Connection type: 2-wire connection
Measuring tube: stainless steel, V4A (1.4571), Ø 6 mm, inserted length = 300 mm / 11.8 in
T1-IP67 plastic housing with a M16 cable glands and a mounting flange.
Housing dimensions: 72 x 64 x 37.8 mm / 2.83 x 2.52 x 1.49 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B9411

Wall Sensor AFTF Temp & Humidity

ON-WALL- HUMIDITY- AND TEMPERATURE SENSORS AFTF–MB
Calibratable outside humidity and temperature sensor AFTF, detect the relative humidity (0…100% RH) and the temperature (–35...+80 °C), including various parameters in the humidity measurement. Applied in clean air and non-aggressive, dust-free environment. With a Modbus connection in a resistant IP65 plastic housing and M20 cable gland for cable connection, with quick-locking screws and an exchangeable plastic sinter filter. International SI units (default) can be changed to imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / – 35...+80 °C (temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 %
Deviation, temperature: typical ± 0.4 K at +25 °C / ± 77 °F
Zero point offset: ± 10 % RH (humidity) / ± 5 °C (temperature)
Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W
Operation temperature: –30...+70 °C / –22...+158 °F
T3-IP65 plastic housing with two M20 cable glands
Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

134B9410

Wall Sensor ATM2 Temperature

OUTSIDE / WET ROOM TEMPERATURE SENSOR ATM2-MB
Calibratable outside temperature sensor ATM2, PT1000 measure temperature (-50...+150 °C), with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M20 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).
Sensor type: PT1000 class B (DIN EN 60751)
Measuring range: – 50...+150°C /-31… +176°F
Deviation: typical ± 0.2 K at +25 °C / ± 77 °F
Zero point offset: ± 10 °C / ± 50 °F
Ambient temperature: Measuring transducer –30...+70 °C /-22… +158°F
Medium: clean air and non-aggressive, non-combustible gases
Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W
Operation temperature: –30...+70 °C / –22...+158 °F
T3-IP65 plastic housing with two M20 cable glands
Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

Image coming soon

134B9409

Airflow Sensor 8147 Temp&Humidity&7000Pa

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ±7000PA-MB
Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0…100% RH) and the temperature (–35...+80 °C) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max. ± 7000 Pa) with connection nozzles for pressure hose (Ø 6 mm). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / – 35...+80°C /-31… +176°F (temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25°C/+77°F , otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F
Pressure range: ± 7000 Pa
Accuracy: 7000 Pa/28 inWC: typical ± 105 Pa at +25 °C / ± 0.12 inWC at + 77 °F
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC (± 20%) / 15…36VDC - 24DC <0,2W
Operation temperature: –30...+70 °C / –22...+158 °F
Media temperature –20...+50 °C / –4...+122 °F IP65 plastic housing two M16 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

Image coming soon

134B9408

Airflow Sensor 8148 Temp&Humidity&500Pa

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ±500PA-MB
Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0…100% RH) and the temperature (–35...+80 °C) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max. ± 500 Pa) with connection nozzles for pressure hose (Ø 6 mm). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / – 35...+80°C /-31… +176°F (temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25°C/+77°F , otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F
Pressure range: ± 500 Pa
Accuracy: 500 Pa/2.0 inWC: typical ± 13 Pa at +25 °C / ± 0.05 inWC at + 77 °F
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC (± 20%) / 15…36VDC - 24DC <0,2W
Operation temperature: –30...+70 °C / –22...+158 °F
Media temperature –20...+50 °C / –4...+122 °F IP65 plastic housing two M16 cable glands
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

Accessories

134B9407

Airflow Sensor KFTF Temp & Humidity

DUCT HUMIDITY- AND TEMPERATURE SENSORS KFTF-MB
Calibratable duct humidity and temperature sensor KFTF-T3 (± 2.0%) with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection and a plastic sinter filter (exchangeable). Including mounting flange to detect the relative humidity (0…100% RH) and the temperature (–35...+80 °C) inside a tube, including various parameters in the humidity measurement. The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices.
International SI units (default) can be switched to Imperial (via Modbus).
Measuring range: 0...100 % RH (humidity) / – 35...+80 °C (temperature)
Medium: clean air and non-aggressive, non-combustible gases
Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 %
Deviation, temperature: typical ± 0.2 K at +25 °C
Zero point offset: ± 10 % RH (humidity) / ± 5 °C (temperature)
Power: 24VAC (± 20%) / 15…36VDC - 24DC <1,2W
Operation temperature: –30...+70 °C / –22...+158 °F
T3-IP65 plastic housing with two M20 cable glands
Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

134B9406

Pressure Sensor 7227 2x7000Pa, Analog

DUAL AIR PRESSURE SENSOR ±7000PA ±7000PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.
Pressure range selection: ± 7000 Pa – 0…1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa
Accuracy: 7000 Pa typical ± 105 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B9405

Pressure Sensor 7229 500/7000Pa, Analog

DUAL AIR PRESSURE SENSOR ±500PA ±7000PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.
Pressure range selection: ± 500 Pa – 0…100Pa / 200Pa / 300Pa / 500Pa
Pressure range selection: ± 7000 Pa – 0…1000Pa / 2000Pa / 3000Pa / 5000Pa / 7000Pa
Accuracy: 500 Pa typical ± 13 Pa
Accuracy: 7000 Pa typical ± 105 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9404

Pressure Sensor 7225 2x500Pa, Analog

DUAL AIR PRESSURE SENSOR ±500PA ±500PA, ANALOGUE
Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose (Ø 6 mm) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.
Pressure range selection: ± 500 Pa – 0…100Pa / 200Pa / 300Pa / 500Pa
Accuracy: 500 Pa typical ± 13 Pa
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa
Power: 24VAC/DC (± 10%) <1,3W,
Output: automatically switching 0 -10 V # 4...20 mA
Working resistance: Ra (ohms) = 25...450 Ohm (at I output)
Load resistance: RL > 15 kOhm (at U output)
Operation / Media temperature: –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with one M16 cable gland
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store

Accessories

134B9402

Pressure Sensor 7247T 2x7000Pa & PT1000

DUAL AIR PRESSURE SENSOR ±7000PA Temperature drift: ± 0.1 % per °C # °F
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa / ± 200 inWC
Power: 24VAC (± 20%) <0,2W / 15…36VDC
Operation temperature: –30...+70 °C / –22...+158 °F
Media temperature –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with two M16 cable glands one M12 for temperature
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9401

Pressure Sensor 7249T 500/7000Pa &PT1000

DUAL AIR PRESSURE SENSOR ±500PA Temperature drift: ± 0.1 % per °C # °F
Zero point offset: ± 10 % of measuring range
Above- # below-pressure: max. ± 50 kPa / ± 200 inWC
Power: 24VAC (± 20%) <0,2W / 15…36VDC
Operation temperature: –30...+70 °C / –22...+158 °F
Media temperature –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with two M16 cable glands one M12 for temperature
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

134B9400

Pressure Sensor 7245T 2x500Pa & PT1000

DUAL AIR PRESSURE SENSOR ±500PA Temperature drift: ± 0.1% per °C/°F
Zero point offset: ± 10 % of measuring range
Above-/below-pressure: max. ± 50 kPa / ± 200 inWC
Power: 24VAC (± 20%) <(><<)>0,2W / 15…36VDC
Operation temperature: –30...+70 °C / –22...+158 °F
Media temperature –20...+50 °C / –4...+122 °F
T2-IP65 plastic housing with two M16 cable glands one M12 for temperature
Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store