



ICF

Features

- High quality sensing element
- Simple 2-wire connection
- 3 or 4-wire as option
- Protection Class IP54, IP65 or IP68
- Different length of probes
- up to 350 degrees

Usage

The sleeve sensor/ cable sensor temperature sensor ICF is used for the detection of temperatures in liquid and gaseous media e.g. by installing it in an immersion pocket.

The cable sensor can be implemented as immersion or duct sensor with silicone, glass fibre or PVC leads for two wire, three-wire or four-wire connection depending on the application.

The sleeve length varies depending on request from 30...50mm (standard is 50mm)

Technical Data

Measuring range	-35...+105°C PVC	2x0.25mm ²
	-50...+180°C Silicone	2x0.25mm ²
	-50...+250°C Teflon	2x0.25mm ²
	-50...+350°C Glass fibre	2x0.25mm ²

Test Current cirka 1mA

Isolation resistance >100Mohm @ 20°C(500Vdc)

Probe Stainless steel 6mm diameter

Protection Class IP65 rolled/ stamped humidity tight
IP68 sensor sleeve watertight compound filled
IP54 optional glass fibre cable

Ordering Codes (pvc leads) IP65

ICFPVC/NTC/1,5	Cylon, Trend, Honeywell Aquatrol, Siox, Satchwell, 10K@25C
ICFPVC/Pt100/1,5	Inu, IVT, Satt, Siox, ABB, Honeywell
ICFPVC/Pt1000/1,5	Cylon, Johnson, IVT, Bastec Exomatic, Honeywell, Serck, Diana, KTC,Regin, Bastec, YIT
ICFPVC/TA/1,5	TAC
ICFPVC/NI1000/1,5	Sauter
ICFPVC/LGNI/1,5	Siemens Landis & Staefa QAA 23, QAD 21
ICFPVC/PTC/1,5	EM-systemer, Kverneland, NCS
ICFPVC/HON/1,5	Honeywell, 20K@25C

Options:

Cable Lengths	3m, 5m, 8 or 10m (standard) and others
Protection Class	IP68 sensor sleeve watertight compound filled
Special Version	Sleeve 30mm, IP65, 4-wire connection

continues rear side



IP65 Passive Duct Temperature Sensor

TDF

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Ordering Codes (silicon leads) IP65

ICFSIL/NTC/1,5	Cylon, Trend, Honeywell Aquatrol, Siox, Satchwell, 10K@25C
ICFSIL/Pt100/1,5	Inu, IVT, Satt, Siox, ABB, Honeywell
ICFSIL/Pt1000/1,5	Cylon, Johnson, IVT, Bastec Exomatic, Honeywell, Serck, Diana, KTC, Regin, Bastec, YIT
ICFSIL/TA/1,5	TAC
ICFSIL/NI1000/1,5	Sauter
ICFSIL/LGNI/1,5	Siemens Landis & Staefa QAA 23, QAD 21
ICFSIL/PTC/1,5	EM-systemer, Kverneland, NCS
ICFSIL/HON/1,5	Honeywell, 20K@25C

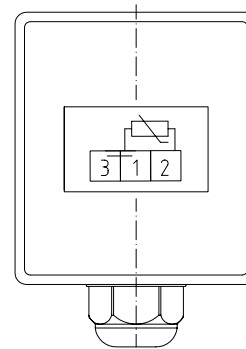
3 and 4 wire connection

The principle of both 3 and 4 wire connection is to provide a constant current flow through the element and measure the volt drop as close to the element as possible.

The addition of the third wire eliminates the error from one of the two original installation wires.

3-wire connection

The addition of the third wire eliminates the error from one of the two original installation wires.



Ordering Codes (teflon leads) IP65

ICFTEF/Pt100/1,5	Inu, IVT, Satt, Siox, ABB, Honeywell
ICFTEF/Pt1000/1,5	Cylon, Johnson, IVT, Bastec Exomatic, Honeywell, Serck, Diana, KTC, Regin, Bastec, YIT

4-wire connection

4 wire connection eliminates the error from both of the original installation wires

Ordering Codes (glass fibre leads) IP54

ICFGLF/Pt100/1,5	Inu, IVT, Satt, Siox, ABB, Honeywell
ICFGLF/Pt1000/1,5	Cylon, Johnson, IVT, Bastec Exomatic, Honeywell, Serck, Diana, KTC, Regin, Bastec, YIT

