

# Fluidcontrolterminal FC-T-G1/2-NV77-XP-MA-DC

## - Daimler Specification -

Rapid filling and short oil change times require fixed connection points to connect factory standard circulation units quick and clean. Since hydraulic units are typically always crowded and to minimise installation for all of these functions, the Fluidcontrolterminal was designed. The flange with a connection bore pattern standardised for vent filters as per DIN 24557, Part 2 holds the vent filter, filling port as well as the level and temperature monitor.

The configuration of the backside of the Fluidcontrolterminal FC-T-G1/2-NV77-XP-MA-DC is customised to the requirements of Daimler. It features two M12 plug bases, a temperature display and preset switching points. Please note, there are other Daimler specific versions of the Nivotemp and Nivovent series.

Connecting flange as per DIN 24557, Part 2

Combined, continuous liquid level and oil temperature monitoring

Two adjustable alarm outputs each for level and temperature

Alternatively one analogue output each (can be set to current or voltage) for level and temperature plus two parametrisable alarm outputs

IO-Link interface built in

In normal mode the LED display shows the actual temperature, with status of the switching outputs

Standard menu structure based on VDMA standard sheet 24574 ff.

Filling port G1/2

Vent filter with filler cap

Contamination indicator

Low installation costs

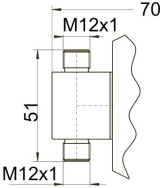
Modular design (filling port and level switch)





Standard pin assignment

Plug connection

	2 x M12 (EBS) (galvanically isolated)
Dimensions	
Number of pins	4-pin / 4-pin
DIN EN	61076-2-101
Voltage max.	30 VDC
Contact load max.	0.5 A per output
total max.	1 A

Version	1D3S		1D1S-KN-KT	
Plug	2x M12 4-pin		2x M12 4-pin	
Connection schematic	Plug A 	Plug B 	Plug A 	Plug B 
Pin				
1	+24 VDC	+24 VDC	+24 VDC	+24 VDC
2	S2 (PNP)	S4 (PNP)	S2 (PNP)	Level (analogue)
3	GND	GND	GND	GND
4	S1 (PNP) *	S3 (PNP)	S1 (PNP)	Temp. (analogue)

\* When used as IO-Link, PIN 4 on plug A = C/Q (switching and communications line). Plug B is then not required and must be sealed with a plug to maintain the IP rating (IP65)!

Ordering Instructions

Item no.	Type	Length (L)	Preset Level*	Preset Temperature**
101177900301	FCT-G1/2-NV77XP-MA-DC01/280-1D3S	280 mm	L1 = 150 mm NC (S1) L2 = 190 mm NO (S2)	T1 = 50 °C NC (S3) T2 = 60 °C NC (S4)
101177900302	FCT-G1/2-NV77XP-MA-DC02/370-1D3S	370 mm	L1 = 150 mm NC (S1) L2 = 200 mm NO (S2)	T1 = 50 °C NC (S3) T2 = 60 °C NC (S4)
101177900303	FCT-G1/2-NV77XP-MA-DC03/370-1D3S	370 mm	L1 = 200 mm NC (S1) L2 = 300 mm NO (S2)	T1 = 50 °C NC (S3) T2 = 60 °C NC (S4)
101177900304	FCT-G1/2-NV77XP-MA-DC04/500-1D3S	500 mm	L1 = 200 mm NC (S1) L2 = 300 mm NO (S2)	T1 = 50 °C NC (S3) T2 = 60 °C NC (S4)
			* Hysteresis 10 mm	** Hysteresis 5 K

with analogue outputs

Item no.	Type	Length (L)	Level (analogue)	Temp. (analogue)
101177900305	FCT-G1/2-NV77XP-MA-DC05/280-1D1S-KN-KT	280 mm	25 mm (20 mA) 245 mm-(4 mA)	0 °C = 4 mA 100 °C = 20 mA
101177900306	FCT-G1/2-NV77XP-MA-DC06/370-1D1S-KN-KT	370 mm	25 mm (20 mA) 335 mm-(4 mA))	0 °C = 4 mA 100 °C = 20 mA
101177900307	FCT-G1/2-NV77XP-MA-DC06/500-1D1S-KN-KT	500 mm	25 mm (20 mA) 465 mm-(4 mA)	0 °C = 4 mA 100 °C = 20 mA

\*Function of level switching points NC = falling NO contact, NO = falling NC contact