

Dupline® Analog Input Module Type G 8810 6312



- 1 x Thermistor 10K3 input
- 1 x Variable resistor 1-11 K Ω input
- Analink protocol (8-bit resolution)
- Uses one Dupline® address per used input
- Bus-powered
- Small dimension housing for decentralized installation inside wall-box or environmental sensor housings
- Address programming via GAP1605

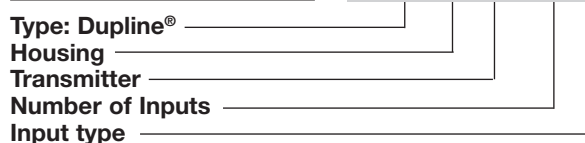
Product Description

Dupline® bus-powered Analink transmitter with 2 analog inputs. The compact size of the module makes it possible to fit it into a wall-box or environmental sensor housing, thereby enabling a decentralized installation concept where the Dupline® bus is multi-dropped from sensor to sensor. This simplifies the

wiring to the controller compared to traditional star wiring connections, reduces the number of DDC's and sub-panels required and provides a higher flexibility for last-minute changes and enhancements. The module has 1 x thermistor 10K3 input and 1 x variable resistor 1-11 K Ω input.

Ordering Key

G 8810 6312



Type Selection

Supply	Ordering no.
By Dupline®	G8810 6312

Supply and Bus Specifications

Power Supply Power on delay Activated (all inputs)	Supplied by Dupline® ≤ 2 s ≤ 1 s
Dupline® Bus Min. Dupline® voltage Typ. Dupline® bus load Thermistor signal Variable resistor signal	4.5 V 3.5 mA Channel I/O1 Channel I/O2

Specifications for Analog inputs

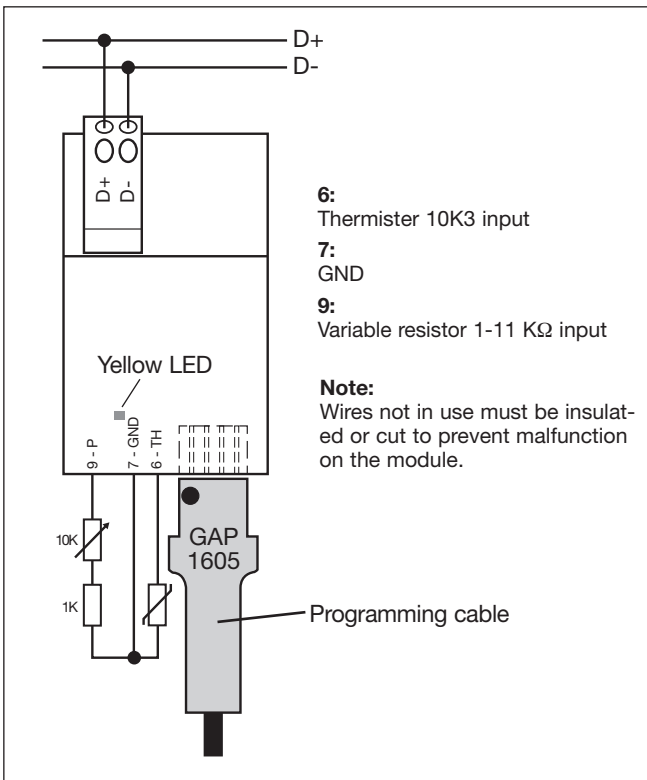
Signal 1 Signal input	1 x Thermistor 10K3 input Trend standard
Signal range	0 - 50°C
Inaccuracy	< 0.5°C (over entire temp range) (±1 Analink bit)
Cable length	< 5 m
Signal 2 Signal input	1 x 1-11 K Ω input
Signal range	0 - 100%
Inaccuracy	< 1% (over entire temp range) (±1 Analink bit)
Cable length	< 5 m
Analink Protocol Resolution	0°C..50°C = 0..255 0%..100% = 0..255
Response time	256 Dupline® cycles (36s @ 128 channels)

General Specifications

Environment	
Pollution degree	2(IEC 60664-1, par. 4.6.2)
Operating temperature	0 to +50°C (-4 to +122°F)
Storage temperature	-50 to +85°C (-58 to + 185°F)
Humidity (non-condensing)	20 - 90%
Housing	
Material	Macromel
Colour	Ambra
Dimensions (h x w x d)	50 x 30 x 18 mm
Weight	50 g
Protection degree	IP20
Terminal block	
Dupline [®] bus	2 x spring terminal (double)
Cross-section area	Terminal: 1.5 mm ²
Cable x 3	
Thermistor input	TH
Signal ground	GND
Variable resistor input	P
Cross-sectional area	0.14 mm ²
Wire length	0.25 m
Address coding	GAP1605 with GAP-TPH-CAB connection cable Note: Connection on 4 pcb holes

Dielectric strength	
Dupline [®] to signal input	None
EMC	
Immunity	EN61000-6-2
- Electrostatic discharge	EN61000-4-2
- Radiated radiofrequency	EN61000-4-3
- Burst immunity	EN61000-4-4
- Surge	EN61000-4-5
- Conducted radiofrequency	EN61000-4-6
- Power frequency magnetic fields	EN61000-4-8
- Voltage dips, variations, interruptions	EN61000-4-11
Emission	
- Conducted and radiated emissions	CISPR 22 (EN55022), cl.B
- Conducted emissions	CISPR 16-2-1 (EN55016-2-1)
- Radiated emissions	CISPR 16-2-3 (EN55016-2-3)
Approvals	CE cULus according to UL60950

Wiring Diagram



Dimensions

