

Dupline® Decentralized Analog Input Module Type G 8810 6265



- 3 x 0-10 VDC analog inputs
- Analink protocol (8-bit resolution)
- Uses one Dupline® address per used input
- DC-powered (15-30 VDC)
- Small dimension housing for decentralized installation inside wall-box or environmental sensor housings
- Address programming via GAP1605

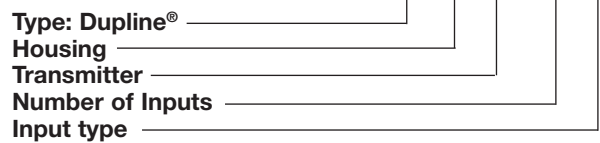
Product Description

Dupline® Analink transmitter with 3 analog inputs. The compact size of the module makes it possible to fit it into a wall-box or an environmental sensor housing, thereby enabling a decentralized installation concept where the Dupline® bus and DC power are multi-dropped from sen-

sor 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 3 x 0-10 VDC inputs.

Ordering Key

G 8810 6265



Type Selection

Supply	Ordering no.
By Dupline®	G8810 6265

Supply and Bus Specifications

Power Supply	
Operational voltage range	15 - 30 VDC
Max ripple	1 V
Reverse polarity protection	Yes
Overvoltage category	Overvoltage cat. II (IEC 60664-1, par. 4.3.3.2)
Rated impulse voltage	500 V (1,2/50µs) (IEC 60664-1, tab. F.1)
Typ. current consumption	15 mA (only internal)
Max. output current	100 mA (not self-limited)
Power on delay	≤ 2 s
Power off delay	≤ 1 s
Dupline® Bus	
Min. Dupline® voltage	4.5 V
Typ. Dupline® bus load	1.5 mA
Input 1 (V1)	Channel I/O2
Input 2 (V2)	Channel I/O1
Input 3 (V3)	Channel I/O3

Specifications for Analog inputs

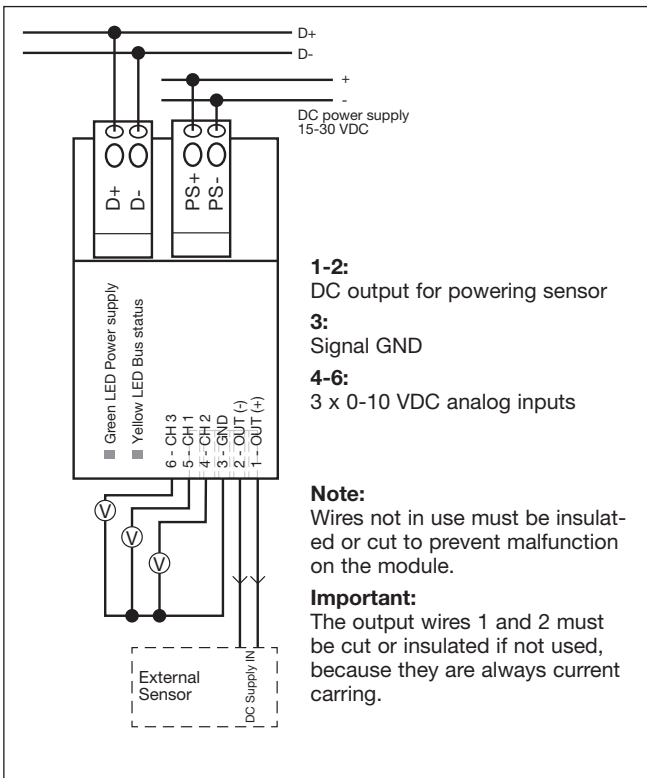
Input 1,2 and 3	
Input type	3 x 0-10 VDC
Inaccuracy	< 0.5% fs (over entire temp range) (±1 Analink bit)
Max input level	50 V
Input impedance	>100 kΩ
Cable length	< 5 m
Resolution	The module is not connected
Analink count = 0	Voltage input < 0.04 mV ((Count/255) x 10 V)
Analink count = 1	Voltage input < 0.08 mV ((Count/255) x 10 V)
Analink count = 2	Voltage input < 0.16 mV ((Count/255) x 10 V)
Analink count = 254	Voltage input < 9.96 V ((Count/255) x 10 V)
Analink count = 255	Voltage input ≥ 10.00 V
Analink Protocol	
Response time	256 Dupline® cycles (36s @ 128 channels)

General Specifications

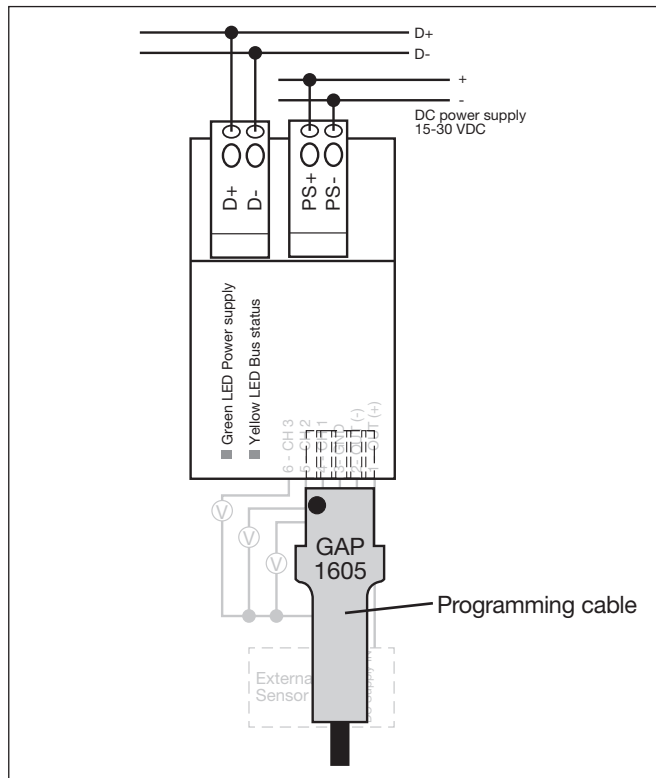
Environment	
Pollution degree	2(IEC 60664-1, par. 4.6.2)
Operating temperature	0 to +50°C (-4 to +122°F)
Storage temperature	-50 to +85°C (-58 to + 185°F)
Humidity (non-condensing)	20 - 90%
Housing	
Material	Macromel
Colour	Ambra
Dimensions (h x w x d)	50 x 30 x 18 mm
Weight	50 g
Protection degree	IP20
Terminal block	
Power supply input	4 x spring terminal
Dupline® bus	4 x spring terminal
Cross-sectional area	Terminal: 1.5 mm ²
Cable x 6	
1 DC+ supply for sensor	Out (+)
2 DC- supply for sensor	Out (-)
3 Signal ground	GND
4 V1 input 0-10 VDC	CH2
5 V2 input 0-10 VDC	CH1
6 V3 input 0-10 VDC	CH3
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



Programming Connection



Dimensions

