LC60

6 channel Analog Input PL20 Transceiver

1. Description

The LC60 transceiver provides 6 analog (4-20mA) input channels. Power and communications are distributed on the same wires using the Lonworks PL20 power line communication protocol.

2. Input Channels

The 6 (six) analog inputs are suitable for 3-wire 4-20mA wiring as well as 2-wire 4-20mA wiring.

Each signal input is protected with a resettable fuse, and the transceiver can deliver up to 100mA per channel to power external sensors.

By default, the shorting jumper at each channel links terminal ***So*** to 0V. Should the user require the signal to be available to another external device, the shorting jumper for the relevant channel must be removed.

3. Lonworks Template Detail

Channel	Type	Network Variable	Signal -> Value		Signal -> Value	
CH1	4-20mA Input	nvoSENSOR0	4mA	655	20mA	3276
CH2		nvoSENSOR1				
CH3		nvoSENSOR2				
CH4		nvoSENSOR3				
CH5		nvoSENSOR4				
CH6		nvoSENSOR5				

Line Voltage	Voltage input	nvoLV	LV = nvoLV x (30/4095)

4. Power Requirements

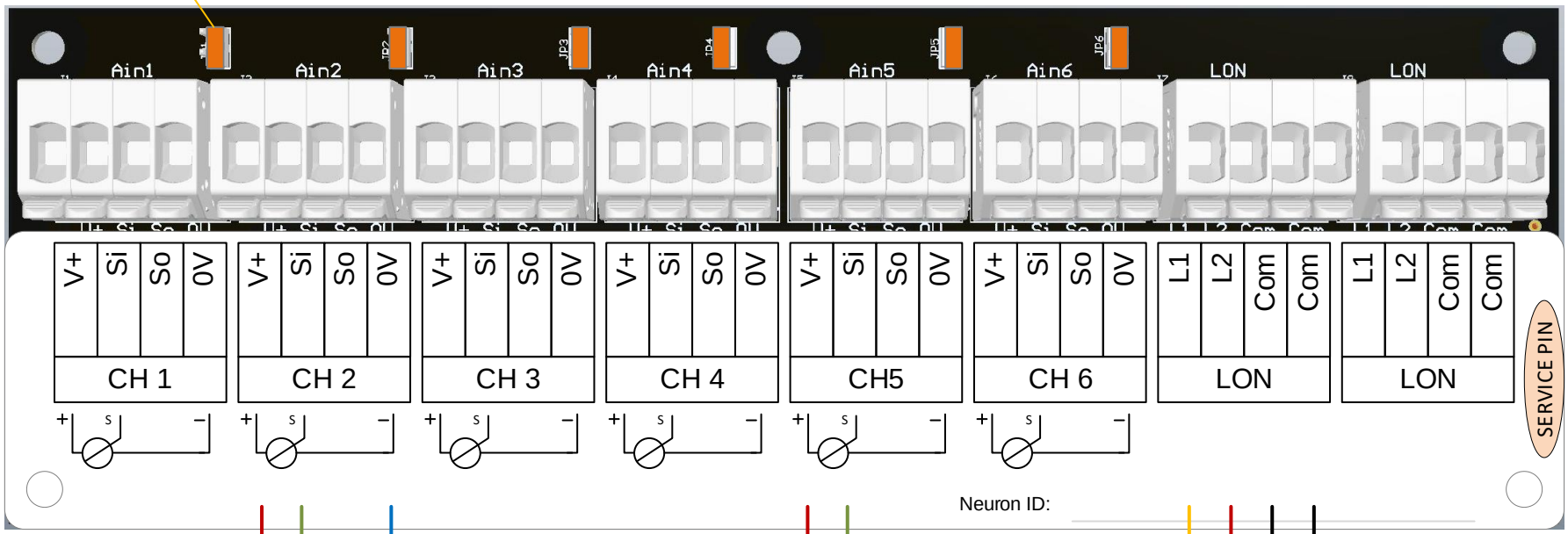
- Supply Voltage: 18 to 30VDC
- Current consumption: 12mA @ 24VDC, no external loads

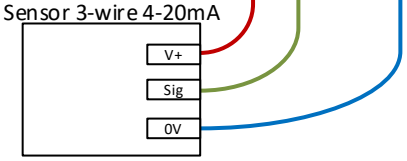
5. Environmental Specifications

- Ingress protection: IP65
- Operating temperature: -10 to 55°C

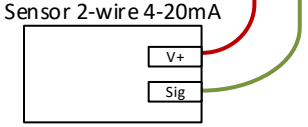
LC60 – 6 x Analog In 4-20mA

Remove jumper to enable signal pass-through





4mA: nvoSENSOR1 = 655
20mA: nvoSENSOR1 = 3276



4mA: nvoSENSOR4 = 655
20mA: nvoSENSOR4 = 3276