Analogue to 20 Relay Card
IOAD20

ECP

Description:

The IOAD20 has been designed primarily for fault indication of up to 20 alarms from 1 analogue signal, it provides 20 volt free change over contacts and 1 common output contact, it can be reset using a second analogue signal or by a remote push button. It can also be used to convert one 0-10Volt signal to 20 digital outputs and using a second 0-10Volt signal to reset.

Technical Specification:

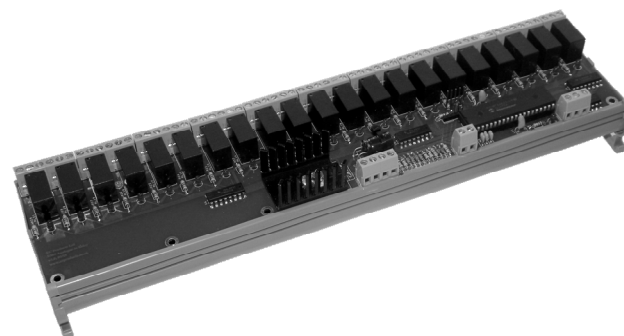|	
Output:	21 x Volt free change over contacts 5 Amp
Supply Voltage:	24Vac/dc @ 600mA Max
Termination:	Rising Clamp for 0.5 to 2.5mm² Cable.
Dimensions:	326mm(W) x 93mm(H) x 50mm(D)

Order Codes:

IOAD20 Analogue to 20 Relay Card

Trigger Voltages

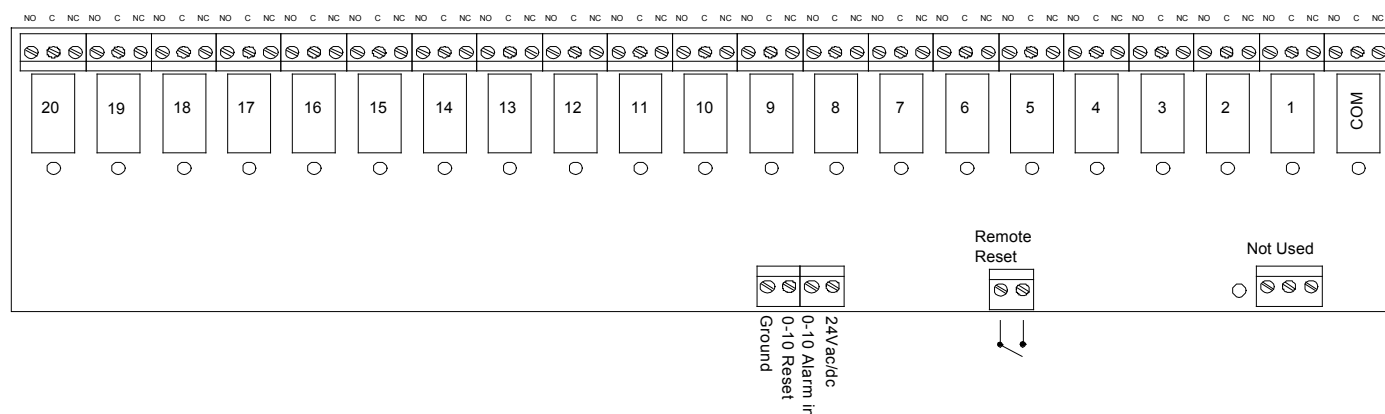| Relay	Signal V	Relay	Signal V
1	1.4	11	5.4
2	1.8	12	5.8
3	2.2	13	6.2
4	2.6	14	6.6
5	3	15	7
6	3.4	16	7.4
7	3.8	17	7.8
8	4.2	18	8.2
9	4.6	19	8.6
10	5	20	9

Installation an operation

1. Disconnect power before carrying out any work on the IOAD20
2. Maximum Wire size 2.5mm² take care not to over tighten the terminal screws.
3. The alarm and reset signals must be a pulse as the unit will only recognise the fall voltage, the pulse must be 0.5 second or more.
4. Each time a pulse is applied the corrasponding relay will energise and latch, to reset each individual relay the same pulse can be applied to the reset input, alterantively the remote reset can be used to reset all relays together.
5. Appling a 10V signal to the alarm input will run through a test switching each relay on and off and will continue until the remote reset is applied.
6. Each relay has a Red LED indication which will be on when the relay is energised.
   Note: Common output relay will be energised as of the first alarm input and will remain energised untill all alarms are reset.

Wiring Detail: