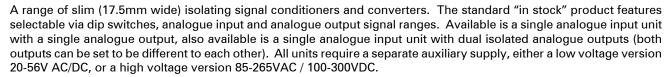
ISOLATING SIGNAL CONDITIONERS & CONVERTERS

TYPES: FOX.ISC-1-xxx Single input, single output FOX.ISC-2-xxx Single input, dual output

- FEATURES
- 17.5mm width
- Single channel or dual channel outputs
- Analogue signal input selectable
- Analogue signal output selectable
- PT100 inputs
- Thermocouple inputs
- Resistance and potentiometer inputs
- LED indication
- Zero & span adjustment potentiometers





LED's indicate that the auxiliary supply is present, plus the input signal is present (approx 5% of full input range), a third LED signals that the output is present (approx 5% of full output range), dual output units will have two output LED's.

We are happy to offer these units set up and calibrated to your requirements at time of ordering. However, customers are able to change input and output ranges by dip switch selection, this is via removing a side cover, switch information is detailed below. Removing the front cover which hinges up gives access to Span and Zero adjustment potentiometers for fine tuning the output(s). Units will be supplied unless otherwise requested at factory default of input 4-20mA and output 4-20mA. Changing the output or input via the dip switches will cause the accuracy to drift this can be rectified by using the Span and Zero potentiometers.

SPECIFICATIONS

Accuracy: $\leq +/-0.2\%$ FS ($\leq +/-0.1\%$ FS option)

Response time: \leq 250 mSec (thermocouple inputs \leq 500mSec)

Output ripple: $\leq +/-0.1\%$ FS

Output span adjust: +/-10% via potentiometer
Output zero adjust: +/-10% via potentiometer
Input impedance: 0-20mA, 4-20mA 250 Ohms

0-5V, 0-10V, 1-5V, 2-10V 1 MOhms

All other inputs 1 MOhms

Output impedance: 0-20mA, 4-20mA 520 Ohms

0-5VDC, 1-5VDC 500 Ohms 0-10VDC, 2-10VDC 1 KOhms

Power consumption: DC 4W, AC 6VA

Operating temp: 0-60°C

Operating humidity: 20-95% RH, non condensing

Temp coefficient: ≤100 PPM/°C **Isolation**: ≤KV AC for 1 min

Between; aux supply / output(s) / input / case

Standards: IEC 61010 (category 3)

EMC: EN55011:2002 EN61326:2003

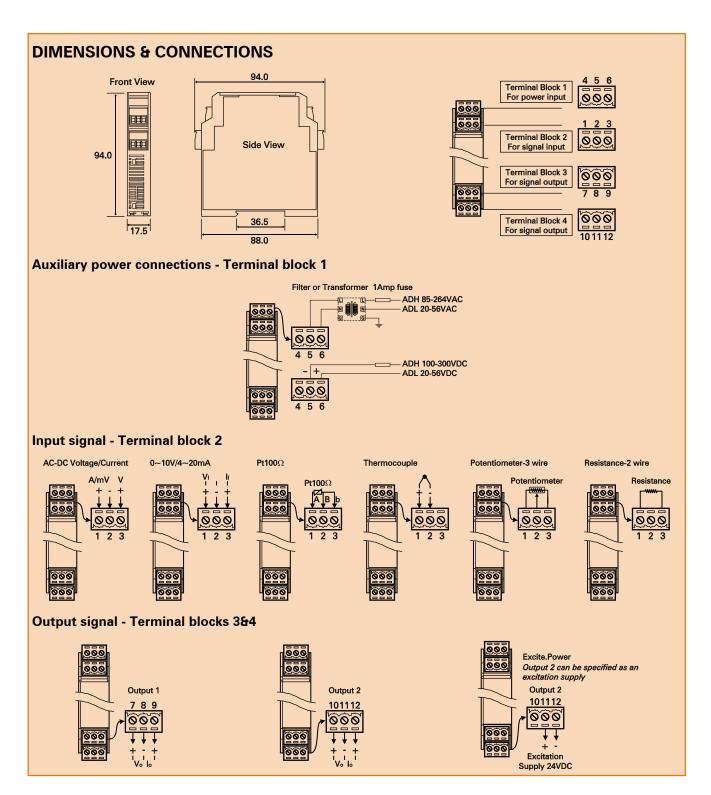
CE marked: Yes Rosh compliant: Yes

DIP SWITCH SETTINGS

INPUT DIP SWITCH (ZC) SETTING								
INPUT	SW1	SW2	SW3	SW4				
0-5VDC	OFF	OFF	OFF	OFF				
0-10VDC	OFF	ON	OFF	OFF				
1-5VDC	OFF	OFF	ON	ON				
2-10VDC	OFF	ON	ON	ON				
0-20mA	ON	OFF	OFF	OFF				
4-20mA	ON	OFF	ON	ON				

OUTPUT DIP SWITCH (ZB & ZA) SETTING									
OUTPUT 1 (ZB) OUTPUT 2 (ZA)									
OUTPUT	SW1	SW2	SW3	SW4	SW5	SW6			
0-5VDC	OFF	ON	ON	ON	OFF	ON			
0-10VDC	OFF	ON	OFF	ON	OFF	ON			
1-5VDC	ON	OFF	ON	ON	OFF	ON			
2-10VDC	ON	OFF	OFF	ON	OFF	ON			
0-20mA	OFF	ON	OFF	OFF	ON	OFF			
4-20mA	ON	OFF	OFF	OFF	ON	OFF			





ORDERING INFORMATION

P/No.	DESCRIPTION	AUXILIARY SUPPLY
FOX.ISC-1-ADL FOX.ISC-1-ADH FOX.ISC-2-ADL FOX.ISC-2-ADH	Selectable analogue single input, selectable analogue signal single output Selectable analogue single input, selectable analogue signal single output Selectable analogue single input, selectable analogue signal dual output Selectable analogue single input, selectable analogue signal dual output	20-56VAC/DC 85-265VAC / 100-300VDC 20-56VAC/DC 85-265VAC / 100-300VDC
FOX.ISC-1-Spec} FOX.ISC-2-spec}	Any standard or non standard analogue signal either input or output, or both } PT100 3 wire input (specify temp. range and output signal required) } K, J, E, T thermocouple input (specify temp. range and output signal required) } Resistance 2 wire (specify resistance range and output signal required) } Potentiometer 3 wire (specify resistance range and output signal required) }	All Spec units available with ADL or ADH auxiliary supply.
OPTIONS		

24VDC EXCITATION

The FOX.ISC-2 is available on request with a 24VDC excitation supply output, if requested one of the analogue outputs is forsaken for this.

0.1% ACCURACY On request high accuracy units (not available in thermocouple input units)

-NORTONICS FOXTAM LIMITED





Isolating Signal Conditioners & Converters

Width only 17.5mm

Single input, single output

Single input, dual output

Selectable analogue signal inputs

Selectable analogue signal outputs

Also available:-

PT100 inputs

Thermocouple inputs

Resistance & potentiometer inputs





Water Industry



Process Control



BMS



Transportation



HVAC



Energy





Tel: 01276 25858 & 0161 6265316





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