

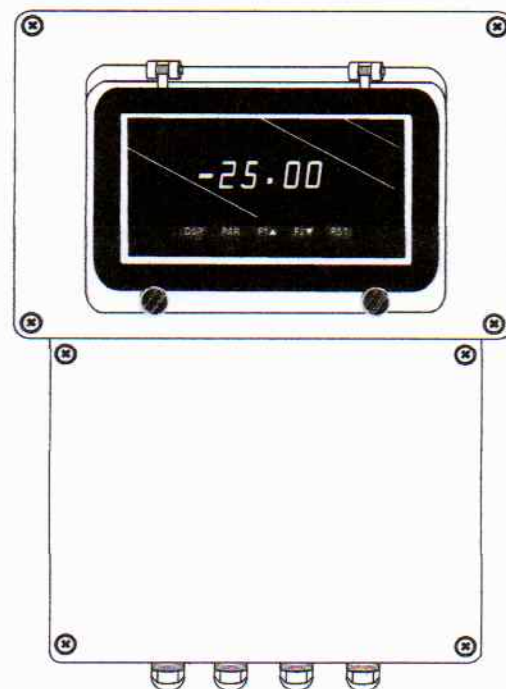


HAWKER LEVEL CONTROL SYSTEMS

HCDL / 4RL

Level Indicator/Controller for Capacitive, Ultrasonic, Hydrostatic Level Transducers

- 5 Digit LED Display
- 4 Control Relays
- Analogue Re-transmission
- Hysteresis Switch



The HCDL/4RL provides digital indication with 4 control/alarm relays for use with loop powered transmitters, such as the Hawker Flexicap, Sondaloop, and Pressure transmitter. It will accept a 4-20 milliamp signal from self powered Systems, an integral button keypad and display allows the user to programme the various functions to suit the application in hand. No programming experience is necessary. Using a simple 'menu' procedure calibration and mode operation are programmed as follows.

Scaling the digital display can be scaled 0-100% or in engineering units to provide any numerical display commencing from -19999 to 99999, e.g. 0000-2500. The decimal point can be positioned as required.

Control/Alarm Relay each of the four relays has fully adjustable hysteresis such that it can be energised at any point of the range and de-energised at any point thus providing a wide differential for pump or valve control, or small differential for alarms or close control. Fail safe high or fail safe low is determined by the output logic being set normal, or reverse.

Re-transmission isolated milliamp and voltage signals commencing from low scale are provided. These can be used to drive an analogue indicator or graphics for VDU etc. The re-transmission signals can be made reverse acting i.e. decreasing for increasing input signal such as may be required for depths below datum as often used for borehole applications.



HAWKER TECHNICAL SPECIFICATION

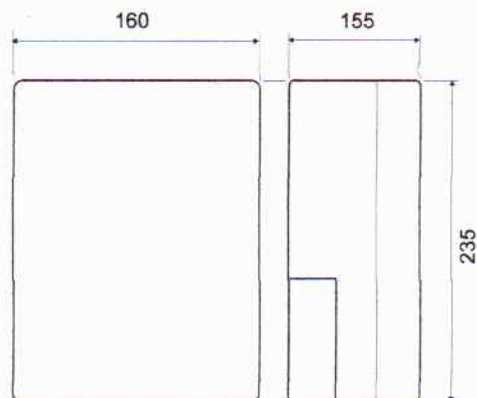
Technical Data

Display:	5 digit 9mm LED configurable between -19999 TO 99999. The decimal point can be positioned to suit
Input:	Within the range 0-20mA (min span 2mA) input circuit fully isolated
Input Resistance:	11 ohms at 20mA
Zero Suppression:	A live zero can be set anywhere within the range.
Accuracy:	Better than 1% for 4-20mA input.
Resolution:	0.1%
Input Supply:	85 to 250V AC 11 to 36V DC (Please state on order)

Outputs

Sensor Supply:	Nominal 24V for loop powered transducer fully isolated from the input and supply.
Four Control Relays:	Each having fully adjustable hysteresis with programmable fail to safe action.
Relay Display	4 illuminated texts when relay is energised
Re-transmission:	Programmable 0-20 mA 4-20 mA 0-10 V
Enclosure:	Weather resistant to IP66, clear Polycarbonate, Polystyrene base, fascia (235 x160 x155). Weight: 1.3Kg.

HCDL/4RL Enclosure Details



Ordering Information

Model	Voltage
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HCDL/ 4RL	
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Compatible Hawker Products

Product	Data Sheet No
Sondaloop	283
Sondaloop Remote	299
Flexicap 4-20	278
PTX 1830	234
Series 360	249
Series H500	285
HPTX 23	286

Because of continuing development we reserve the right to change the specifications without notice

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