

KOAL TOUCH

INDICATOR CONTROLLER

The new KOAL Touch series is now Smarter, Smaller and Modular. You can now have the choice to: for AC or DC Power supply; optional Analog retransmission output. The Controller can be used with Strain sensors / Analog input / Encoders / LVDT. The setup sequence is simple and quick. It supports fast and high-resolution measurements. The 2.8 inch resistive touch screen display is an impressive and user friendly interface for navigating the settings and menus. KOAL Touch can be used as Indicator Controllers for Industrial Press, Testing Machine, and SPMs etc.

FEATURES

- TFT 320 X 240 (2.8") Resistive touch screen multi-colour display.
- Easy to understand; User friendly special icons; Password protection for settings,
- User configurable input sampling and display update speed
- Nonvolatile memory retains all programmable parameters and display values.
- RS232 and RS 485 communication port for PC interface.
- Remote Peak & Tare option; Engineering unit selections.
- Soft Calibration by sensor rated value or actual / field load.

TECHNICAL SPECIFICATION

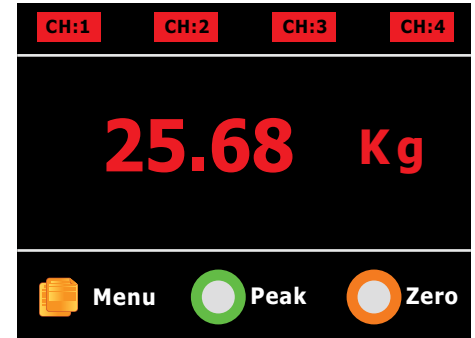
INPUT CHARACTERISTICS	
Power Supply	12 ~ 35V DC / 180 VAC ~ 250 VAC
Excitation for sensor	+5VDC @ 50mA ±1%, +10VDC @ 50mA ±1%, +24VDC
Input signal	KT - S Up to 8mV/V (Strain Gauge Sensors) KT - A 0-10VDC & 0-20mA (Potentiometer, Pressure & other Amplified Output Sensors) KT - G Digital & KT - E 5V TTL
Decimal point	1~3 Points user selectable (X.X, X.XX, XX.XX & X.XXX)
Input sampling	1 ~ 200 Samples Per Sec (ADC > 1000 Samples Per Sec)
A/D Converter	24 bit resolution

DISPLAY CHARACTERISTICS	
Display	2.8 inch TFT, Touch Screen, Color
Display update speed	1 ~ 32 Samples Per Sec User Configurable

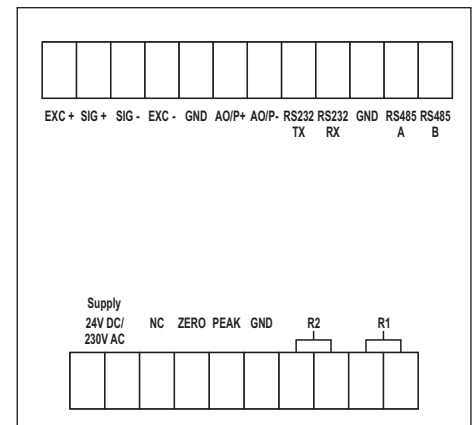
OUTPUT CHARACTERISTICS (DEFAULT)	
Relay output	2 Relay (5A/230VAC) Standard
Communication interface	RS-232, RS-485

OUTPUT CHARACTERISTICS (OPTIONAL)	
Re-Transmission Output	Analog signal, 0~±10VDC, 0~±5VDC, 4~20mA, 0~20mA User selectable
Custom Input & Output	Contact factory

GEOMETRICAL CHARACTERISTICS	
Termination	PCB terminal block
Wire Strip Length	9mm
Wire Gauge Capacity	24 to 14 AWG (0.2 to 2.08 mm ²)
Torque	0.4-0.5 N-m
Ingress Protection	IP40 Enclosure rating
Operating temperature (°C)	0 - 50
Storage temperature (°C)	-10 ~ 60
Case dimension (mm)	96*96*63
Weight (g)	260



Pin Configuration



Koal Touch

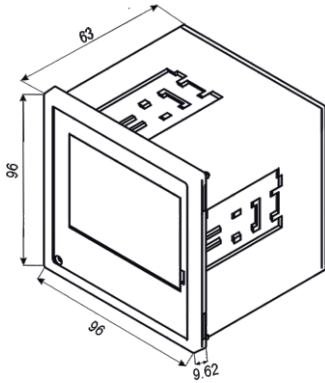
- S** - Strain **A** - Analog
G - Gaman **E** - Encoder

Specifications are subject to change without Prior notice

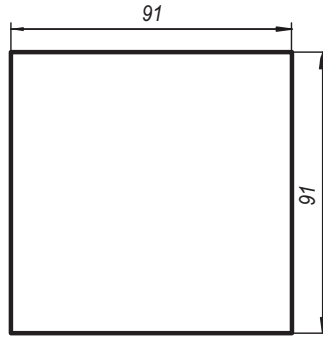
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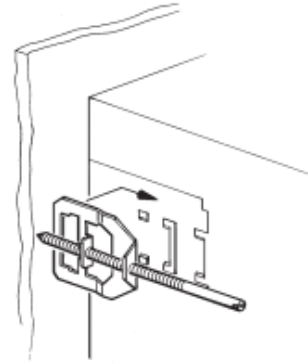
DIMENSIONAL DETAILS



PANEL CUTOUT

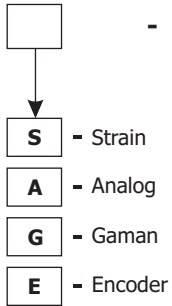


MOUNTING ACCESSORIES

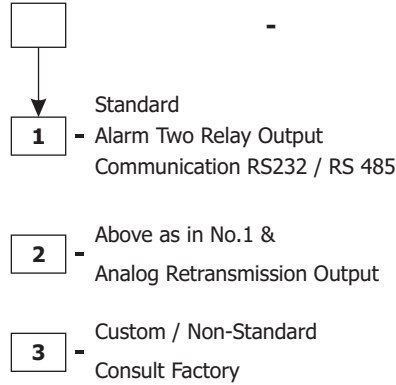


ORDERING NUMBER

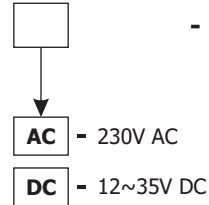
KT - Variant



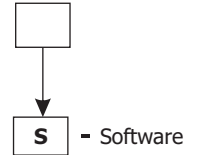
Outputs



Power Supply



PC Suite Software



Example:

KT-A-1-DC : Analog measurement, 2 Relay Output Communication RS232 and 12~35V DC

KT-S-1-AC : Strain measurement, 2 Relay Output Communication RS232 and 230V AC

KT-S-2-DC-S : Strain Measurement, 2 Relay Output Communication RS232 & Analog Output & 12~35V DC with PC Suite Software