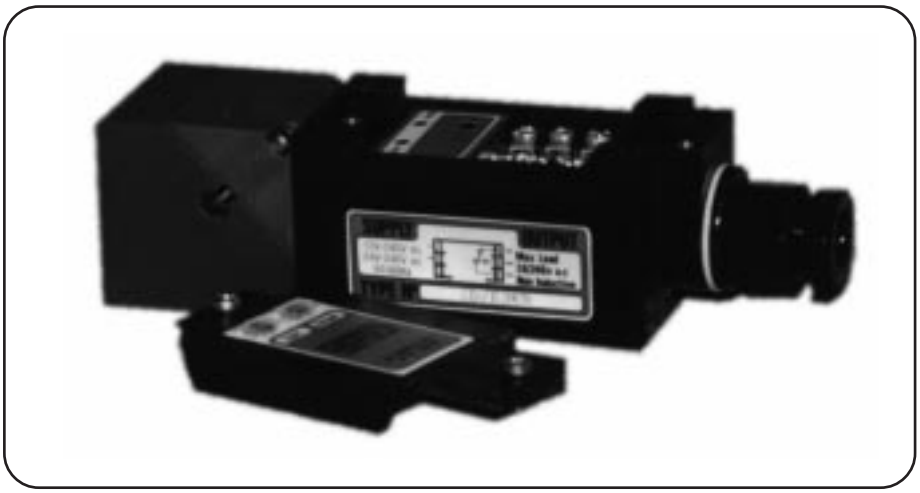
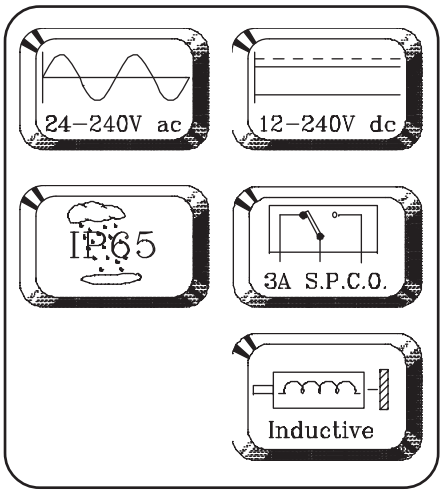
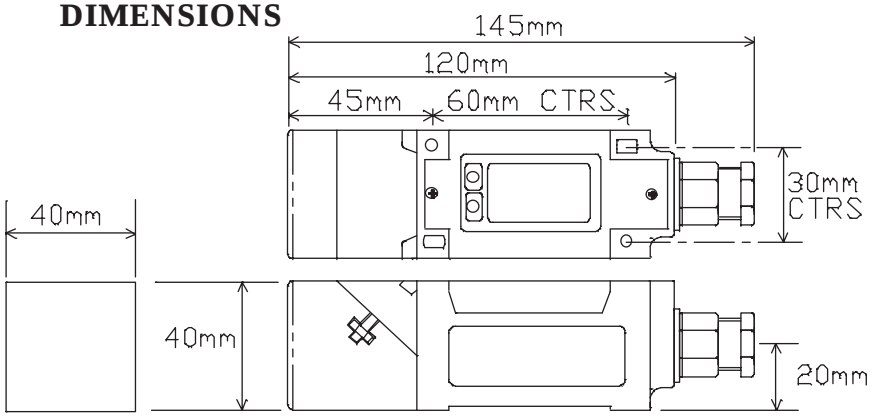
SYNASWITCH - Limit Switch Proximity Sensor

Datasheet No:-D2055B





DIMENSIONS



ID/E3KR

UNIVERSAL VERSION

ID/E3KR

The ID/E3KR proximity sensor is housed in a DIN standard limit switch package. It is ideally suited for replacing existing limit switch units or for new applications where monitoring of ferrous or non-ferrous metals is required.

The Synaswitch requires no contact with the machinery or plant being monitored, therefore wear and friction of parts are kept to a minimum.

The ID/E3KR is a robust unit requiring no further maintenance, once fitted. The sensor is suitable for detecting all rotating or reciprocating machinery.

The sensing surface on the ID/E3KR is fitted in a diagonal split housing which enables it to be aligned end or side sensing for individual applications.

The output relay can be switch selected to be either normally energised or de-energised. The relay output will then reverse state when the unit is detecting a metal target.

The relay contacts are Voltage free and can be used to control small contactors, input signal to PLC's or as an input device to many of the Synatel indicating meters or motion monitors.

- ***Universal Voltage Operation.***
- ***Adjustable sensing head for end or side detection to suit application.***
- ***No Contact with Rotating Shaft,No Moving Parts.***

SYNATEL

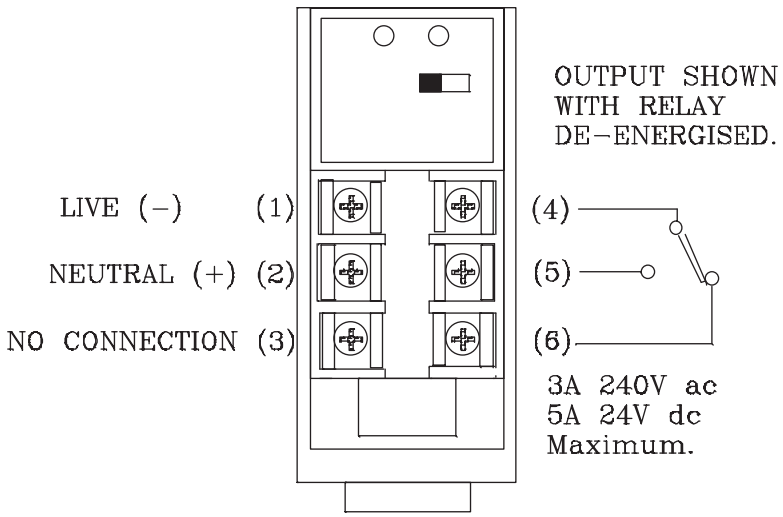
Walsall Road, Norton Canes, Cannock,
Staffordshire, England. WS11 3TB
Tel: (01543) 277003 Fax: (01543) 271217

SPECIFICATION

	ID/E3KR
SUPPLY	24 - 240V ac, 12 - 240V dc.
CURRENT CONSUMPTION	50mA max.
OPERATING TEMPERATURE	-15 +60°C.
OPERATING SPEED	10 Hz.
ENCLOSURE	Moulded glass filed polyester.
PROTECTION	IP65.
OUTPUT	Voltage free single pole c/o relay contact rated 3A 250V ac non inductive.
OUTPUT STATE	Selectable for output on or off with target present.
SENSING FACE POSITION	Adjustable for end sensing or side sensing, to suit application.
TERMINATION	Screw Terminal block accessible by removal of cover.
CABLE ENTRY	20mm tapped conduit entry fitted with nylon gland.
INDICATION	LED indication of input pulses and output relay energised.
WEIGHT	185 gms.
OPERATING RANGE	15mm max - ferrous target.
TARGET	Metal protrusion, ideally min 20mm diameter.

HOW TO ORDER:-
SPECIFY **SYNASWITCH** TYPE **ID/E3KR** (No need to state supply voltage).

CONNECTIONS



Detection & Control
in action