

energy saving readers



Card readers that save energy and reduce your carbon footprint

Ideally suited for hotel and student accommodation applications, these readers feature an ergonomic design featuring a blue backlit card slot.

These readers have the distinct advantage that the controlled circuit will only be energised when a card of the correct technology is inserted. The same contactless proximity of MIFARE card used for door access can be used.

The user simply inserts their access card into the reader to enable the integral relay which in turn can be used to control lights, power circuits and other equipment.

When leaving the room, the user removes the card and power is shut off after 15 seconds allowing the safe exit of the room occupants.

energy saving readers

DS0047_Issue 1

SPECIFICATIONS

TDSi Part No.	5002-0420	5002-0421
Card Technology	125 KHz EM4102 Proximity	13.56 MHz MIFARE
Operating Voltage	190~240 VAC, 50/60 Hz	
Maximum Load	30 A, 6,600W	
Standby Power	1 W	
Delay Time	10~20 seconds (fixed)	
Indications	Blue LED backlight illuminate when inactive	
Relay Service Life	(@220 V, Full load) >10 Million operations	
Operating Temperature	-10~+60 °C	
Operating Humidity	10~95 %RH	
Overall Dimensions	86 x 86 x 35 mm	
Housing Material	Fire-Retardant Polycarbonate	
Colour	Grey back with gloss white cover	

FEATURES & BENEFITS

Saves Energy, Saves Money

Significantly reduces usage of electricity by only powering circuits and devices when the room is occupied.

Reduce your Carbon Footprint

Prevents wasted energy by only providing power when the card is in the reader.

Increase Safety

Leaving electrical equipment permanently on reduces equipment life and could result in the equipment overheating and even catching fire. Reduce the risk of this occurring by fitting these readers.

Choice of Reader Technologies

Choose between EM proximity and MIFARE. Use these readers to enhance your TDSi access control system.

Selective on Card Type

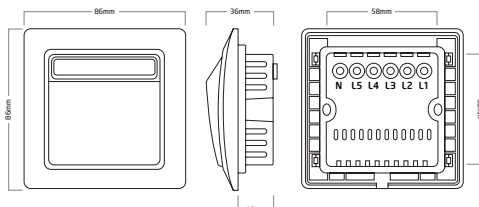
Only operates when a card of the correct type is inserted. Prevents the room occupant leaving the room power on by simply inserting for example a business card.

High Capacity Relay

30A long-life relay is more than adequate to control power circuits of the room.

Ergonomic Design

High gloss white finish provides an attractive look to the reader while the modern blue backlit card slot will complement any installation.



ORDERING INFORMATION

Part Number: 5002-0420

Description: Energy Saving Switch – Proximity.

Part Number: 5002-0421

Description: Energy Saving Switch – MIFARE.

Part Number: 4262-0245

Description: Proximity card with card number printed. Suitable for use with 5002-0420.

Part Number: 2920-3002

Description: MIFARE 1K card with card number printed. Suitable for use with 5002-0421.



TDSi UK
 Unit 10 Concept Park,
 Innovation Close,
 Poole,
 Dorset BH12 4QT
 United Kingdom
 t: +44 (0)1202 723535
 f: +44 (0)1202 724975
 e: sales@tdsi.co.uk

TDSi France
 Immeuble ATRIA,
 2 rue du Centre,
 93160 NOISY LE GRAND,
 France
 t: +33 (0)1 58 84 20 90
 f: +33 (0)1 58 84 20 91
 e: infos@tdsi-france.com

TDSi China
 Rm 103, 1 Bid,
 Shangsha Innovation Science
 & Technology Park,
 9283 Binhai Road,
 Futian District,
 Shenzhen 518048,
 P.R.China
 t: 86-755-82535725,
 82535720
 f: 86-755-82535770
 e: tdsiinfo@microgarde.com.cn