

# RF receiver and fobs



## RF Receiver and Fobs

An extremely cost effective RF long-range reader solution, that delivers exceptional read-ranges.

Using two button key-fobs which transmit a unique and highly secure encrypted code to a receiving unit, this solution is ideally suited to vehicular control (such as a car park) where it is required to remotely open the barrier. The system allows the connection of two channels of the receiver to a TDSI access control unit, providing the ability to control 2 access control points through one 2-button fob.

# RF receiver and fobs

DS0070\_Issue 2

## SPECIFICATIONS

TDSi Part No.	5002-0210 (Fob) , 5012-0200 (Receiver)
Dimensions	85 x 65 x 32 mm
Material	ABS Plastic
Operating Environment	-40 °C to +50 °C, 0 to 95 %RH (non-condensing)
Power supply	9 – 25V dc @ 300mA Max
Operating frequency	433.92 MHz
RF Signal Type	Code Hopping (Keeloq™) AM ASK
Output channels	4
Output Options INT REMOVED EXT	Shunt selectable 10k pull up to 5V DC Open collector +5V DC out terminal active for user selectable external pull ups
Reverse polarity protection	Yes (diode)
Output formats	Wiegand 26 bit
Coding combinations	4.2 billion

## FEATURES & BENEFITS

### Long range

Up to 100m range provides effective use in all applications allowing easy installation of the receiver in a secure location.

### Simple programming

Easy to program new and additional fobs to existing receivers.

### Optional proximity fob

Use the fob on your access control system using standard proximity readers.

### Secure code hopping encryption

Provides peace of mind .

## ORDERING INFORMATION

**Part Number: 5012-0210**

**Description:** Long range RF fob

**Part Number: 5012-0211**

**Description:** Long range RF fob with Proximity tag

**Part Number: 5012-0200**

**Description:** Long range RF Receiver – compatible with RF Fobs



**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 Bld,  
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