ROBIN

TELECOM DEVELOPMENT

E X T E R N A L   E N T R Y   P H O N E S

Manual

Door opener type DROP1

Contents

1 DROP1 Door opener

1.1 Function

The door opener consists of a 'clean relay contact', which can be operated remotely from any TDK extension. The aim is to enable a door, barrier, etc. to be operated via a phone extension. For this purpose the door opener is connected to a private branch exchange. The DROP1 may be used either as end point or in combination with an external door entry phone. When the door opener is called, the desired connection is established automatically, after which the user can operate the relay using a TDK phone.

1.2 Facilities

The door opener has the following facilities:

• The DROP1 has a make/break contact to be operated by the user.
• The connection can be established by calling the DROP1 (from any extension).

The DROP1 breaks the connection when:

• an instruction has been accepted.
• 11 seconds have elapsed without DTMF codes having been received.

The DROP1 can be used both as an end point and in combination with the Robin external door entry phone (BDT-I).
The DROP1 is powered from a 220V mains connection and is linked by a two-core cable to a PABX connection.

1.3   Systems

To be able to achieve the above functions the DROP1 comprises the following systems:

- call detection
- DTMF detection
- relay with make/break contact
- mains power supply

DROP1 Door opener

1.4   Installation and configuration

The DROP1 is connected by a two-core cable to a device terminal on the company PABX or the public exchange and with a two-core mains lead to a 220V mains power supply. The user has a make/break contact available for controlling a door or similar.

Using a jumper the DROP1 can be set to serve as end point or to work together with an external door entry phone (BDT-I).

1.5   Operation as end point

• Call the DROP1 from any (TDK) phone.
• The DROP1 answers the call, you will hear nothing.

You can now:
• Press '##', to energise the relay for a brief period. The relay remains energised for as long as the second '#' is pressed, but for at least 2.5 seconds.
• Press '#1' to energise the relay permanently.
• Press '#0' to release the relay.

Once an instruction has been accepted, or if no DTMF tones are detected within 11 seconds, the DROP1 will break the connection.
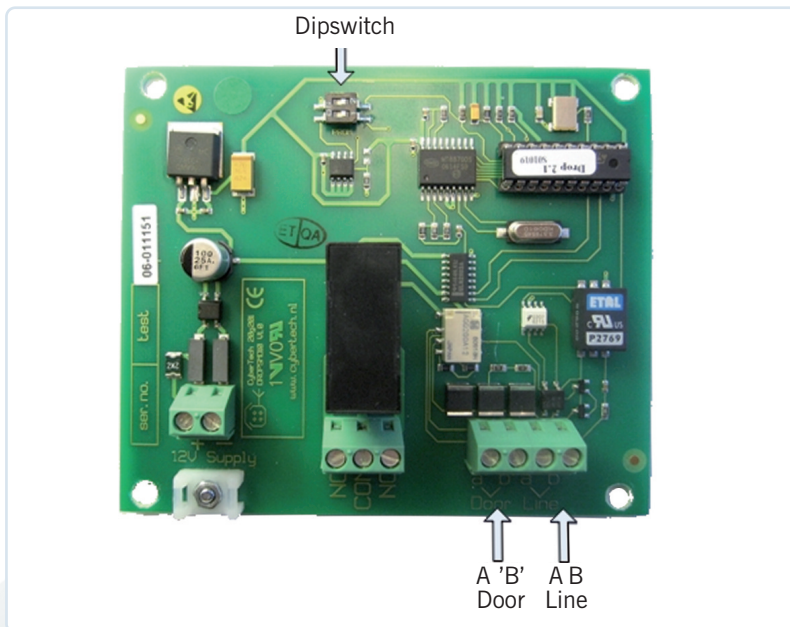
1.6   Operation in combination with a BDT-I

- Call the BDT-I from any (TDK) phone extension.
- The BDT-I answers the call and works as normally.

In addition to the standard BDT-I functions you can now:
- Press '##', to energise the relay for a brief period. The relay remains energised for as long as the second '#' is pressed, but at least 2.5 seconds.
- Press '#1' to energise the relay permanently.
- Press '#0' to release the relay.

After pressing the first '#' the external door entry phone is disconnected from the phone line in order to prevent unauthorised operation of the relay via the external door entry phone.

Once an instruction has been accepted the DROP1 will break the connection. In other cases the connection will be broken by the external door entry phone.

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Dipswitch

A 'B' Door   A B Line

Set the dipswitch in the right position:

Switch 1 always 'off'

Switch 2 'on' (BDT) if the DROP1 is used in conjunction with a Robin door

phone, switch 2 'off' (SA) if the DROP1 is used as an endpoint (stand alone).

Connect:

- The phone line to the terminal labeled: 'AB Line'
- The (optional) door phone to the terminal labeled: 'A'B' Door'
- The device to be operated to the relay switch
- The power adapter to a 230 VAC mains supply

ROBIN
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Flemingstraat 50, 1704 SL Heerhugowaard, The Netherlands

Tel.: +31 72 534 64 26, Fax: +31 72 534 64 03

www.robin.nl, info@robin.nl