ACP100G – Alarmed Emergency Release Call Point Installation Instructions

The ACP100G Alarmed Call Point is an Emergency Release Call Point with an integrated alarm system which provides a highly visible deterrent to the misuse of the call point. The alarm system also helps to ensure that the Emergency Release is not left activated for a prolonged period as well as other advanced features.

General Operation

The ACP100G provides clean SPCO contacts directly from the Emergency Release Call Point to allow the direct disconnection of power to an electronic lock. There is no interaction between these contacts and the electrics of the unit. When the call point is pressed, the units integral alarm will sound until the call point is reset. The keyswitch on the unit may be used to silence the alarm, while waiting for the call point to be reset, by turning it to the 0 position. While the keyswitch is in the 0 position the unit will bleep every 30 seconds to remind the user that action is required. Alarm tones will only sound if the keyswitch is in position 1. Advanced optional features include door monitoring, remote isolation, tamper monitoring and relay output for either alarm signalling or delayed lock release.

Alarm Tones

The ACP100G has two selectable alarm tones available, a high powered tone and a low powered tone. The required tone can be selected by moving the TONE jumper J1 on the PCB into either the A position for the HI tone or the B position for the LO tone.

Emergency Release Contacts

The Emergency release terminals on the PCB, labeled E/Rel, are connected directly to the clean SPCO contacts of the call point. No electronic function of the PCB interferes with these contacts.

Bleep in Silence

If the keyswitch is placed into the 0 position, any alarms will silence. A Bleep will sound every 30 seconds to remind the user that action is required.

Relay Output

The unit has a relay output with clean SPCO contacts. Jumper J2 defines the function of the relay. With Jumper J2 in the A position, the relay will switch as soon as the call point is pressed and the alarm activates. With Jumper J2 in the B position, once the call point is pressed and the alarm sounds, there will be a delay of 15 seconds before the relay switches. In this mode the relay operates fail safe. This mode may be used to provide a delayed egress function. Delayed egress should only ever be used where local safety policy allows and a full risk assessment has been undertaken by a suitable qualified competent person.

Door Monitoring

If door monitoring is not required, the Door contact Switch and Tamper inputs should each be linked out as depicted on the PCB. If a door contact is fitted, the unit will sound the alarm as the door contact opens, unless the door monitoring remote isolate input seen. If the door contact is open after the door monitoring remote isolate input is removed, the unit will either alarm immediately or after a DOTL (Door Open Too Long) if jumper J3 is in the B position. If Jumper J4 is in position A, the DOTL time is 15 seconds, in position B the DOTL time is 30 seconds. The alarm will clear as soon as the door contact closes.

The door contact switch and tamper circuits are normally closed loops.

Tamper Monitoring

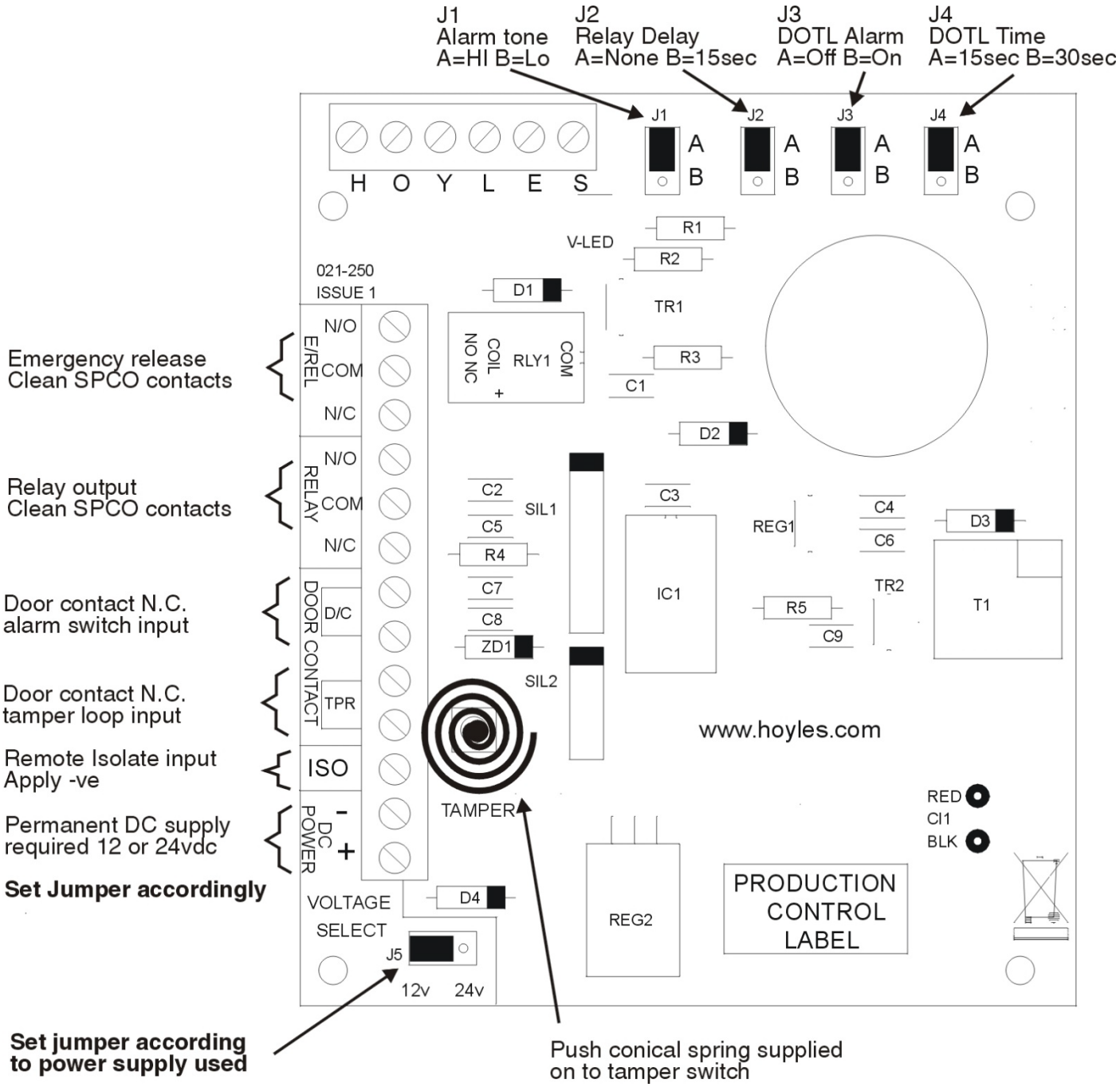
If the units tamper loop is opened, the unit will play a tamper tone that is different to the alarm tones. the relay will not switch. The tamper alarm will clear as soon as the loop is closed.

Power Requirements

A continuous supply of 12vdc or 24vdc is required, 60mA max quiescent and 160mA max in alarm. The Voltage select jumper must be placed in the relevant position according to the voltage used.

Hoyles Electronic Developments Ltd
Sandwash Close, Rainford, St Helens, WA11 8LY, UK
www.hoyles.com
sales@hoyles.com
+ 44 (0) 1744 886600

Connection Details



Hoyles Electronic Developments Ltd
Sandwash Close, Rainford, St Helens, WA11 8LY, UK
www.hoyles.com
sales@hoyles.com
+ 44 (0) 1744 886600