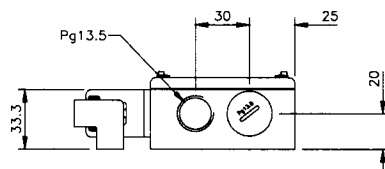
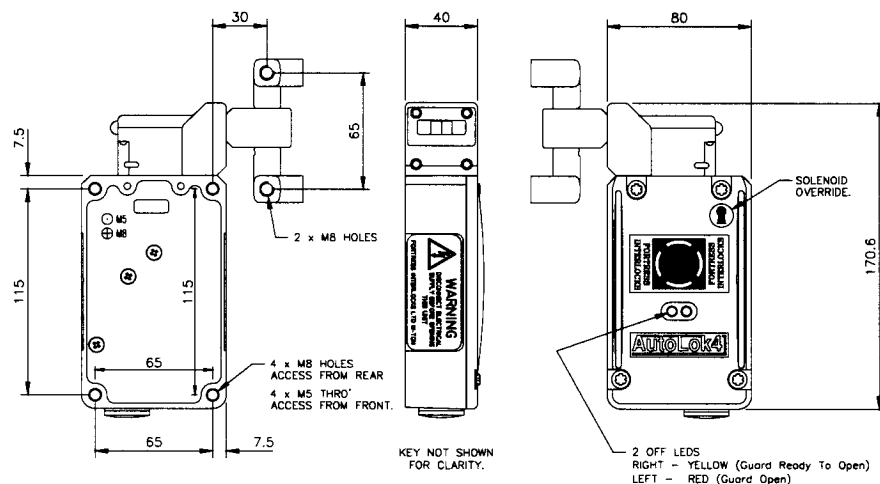
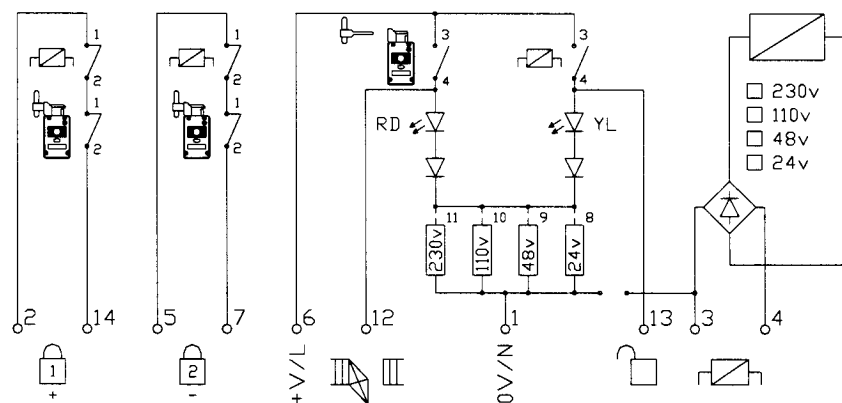


Technical Data (all dimensions in mm)



Wiring Diagram



AutoLok4[®]

Installation Guide

IMPORTANT - This product is designed for use according to the installation and operating instructions enclosed. Any modification to or deviation from these instructions invalidates all warranties. Fortress Interlocks Ltd accepts no liability whatsoever for any situation arising from misuse or mis-application of this product. **IF YOU HAVE ANY QUESTIONS OR QUERIES OF ANY NATURE WHATSOEVER PLEASE CONTACT THE SUPPLIER WHO WILL BE PLEASED TO ADVISE AND ASSIST.**

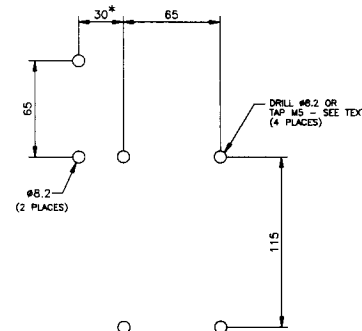
GENERAL

The **AutoLok4** is a robust, heavy duty, solenoid controlled guard lock. When properly installed, it provides for safe access and control of a variety of machinery.

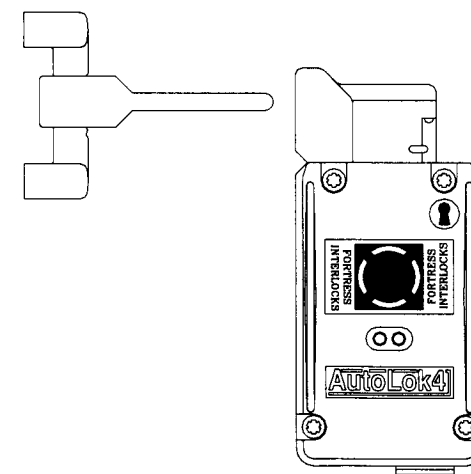
This unit may be installed in any orientation, to either hinged or sliding doors. Follow instructions to ensure correct installation.

The key incorporates a self-aligning feature to cater for wear on hinged guards. Ensure that the key is mounted such that the full wear travel is available:-

The guard of the machine must be drilled to suit the method of fixing selected. The main unit is normally attached to the static portion of the guard and the key is fixed to the access door.



* Adjust to suit guard.



Fortress Interlocks Limited
 148-150 Birmingham New Road, Wolverhampton, UK, WV4 6NT
 Tel: +44 (0)1902 403546 Fax +44 (0) 1902 353003
 Web-site <http://www.fortress-interlocks.co.uk>
 E-mail sales@fortress-interlocks.co.uk



August 1997

INSTALLATION

1. Loosen the 4 tamperproof screws on the front of the main unit and remove the cover.
2. Check that the unit to be installed is of the same electrical type and voltage rating as the machine control circuits (e.g..24v DC or 110v AC etc.).
3. Mount the unit to the static section of the guard or machine, refering to the diagram on the front page. Use M5 screws through the unit or M8 screws from the rear.
4. The Locking Head may be rotated in increments of 90° to suit the installation. If the head is to be repositioned, continue as follows.
 - i. Manually depress the solenoid plunger to release and remove the key from the head.
 - ii. Remove the two M4 Cap Head fixings and slide the head out.
 - iii. Again depress the solenoid plunger and insert a small screw-driver in the hole in the top plate to hold the plunger against spring pressure.
 - iv. Reposition the head and slide into place.
 - v. Refix with the Cap Head screws. Ensure that the head is firmly fixed in position.
5. Align the key and fix in place using 2 x M8 screws from the rear. Make sure that the key locks in place when the guard is closed. (The key may be manually released by depressing the solenoid plunger).
6. Make sure the electrical supply is disconnected.
7. Attach suitable conduit via PG13.5 cable gland(s). Unused entries should be sealed with the blanking plug supplied with the unit.
8. Bond the enclosure to Earth potential via the Earth point provided.
9. Make the electrical connections, referring to the information opposite.
10. Check Earth continuity.
11. Replace the lid.
12. Test the unit for correct operation.

The yellow LED should illuminate when the solenoid has been operated, both electrically and mechanically via the override facility.

The Red LED should light when the key is removed.

Override Facility.

The solenoid has a mechanical override facility by means of a key which is supplied with the override key switch (ref. OKS). The override switch should be connected into the machine control circuits.

To override the unit, insert the key into the lock and rotate clockwise. The key may then be released. After using the override, the adhesive seal must be replaced in order to indicate whether or not the override has been used.

ENSURE POWER SUPPLY IS OFF BEFORE CONTINUING

CONNECTIONS

Terminal 4. (Solenoid operating supply).

For DC Units, this will be +V signal from the machine control. For AC units, this connection will be a Line (Live) signal from the machine control.

Terminal 1. (Supply common return).

For DC units, connect this terminal to 0v of control system. For AC units, this will be Neutral.

Terminals 2 & 14. (Safety Circuit 1)

These 'Volt Free' Contacts should be connected in series with the machine motor control circuit or emergency circuit.

Terminals 5 & 7. (Safety Circuit 2)

These 'Volt Free' Contacts should be connected in series with the machine motor control circuit or emergency circuit.

Terminal 3. (Solenoid return)

This connection is normally factory connected to terminal 1. See wiring diagram in unit.

Terminal 6. (Supply)

Permanent supply voltage to guard Unit.

Terminal 12. (Guard Open Output Signal).

Control signal produced by the guard unit to indicate that the guard is in an open state. This signal can be used for indication and/or machine control.

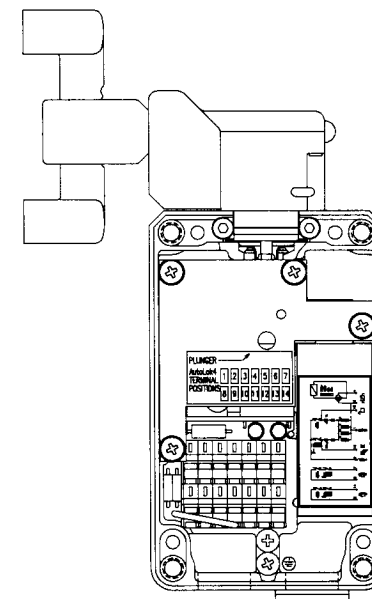
Terminal 13. (Guard Ready to Open Output Signal)

Control signal produced by the guard unit to indicate that the guard is ready to open. This signal can be used for indication and/or machine control.

Terminals 8 to 11. (Control Supply)

These connections are factory set to the required supply to the LEDs.

Connection Diagram



TECHNICAL SPECIFICATIONS

Switch circuits rated at 10 amps.

Terminals will accept 2.5mm² cables, Max.

Solenoid Power consumption:

DC 12watts, AC 18VA (continuous).

(It is our policy to continually update and improve our products so the information in this leaflet is issued for general guidance only).

