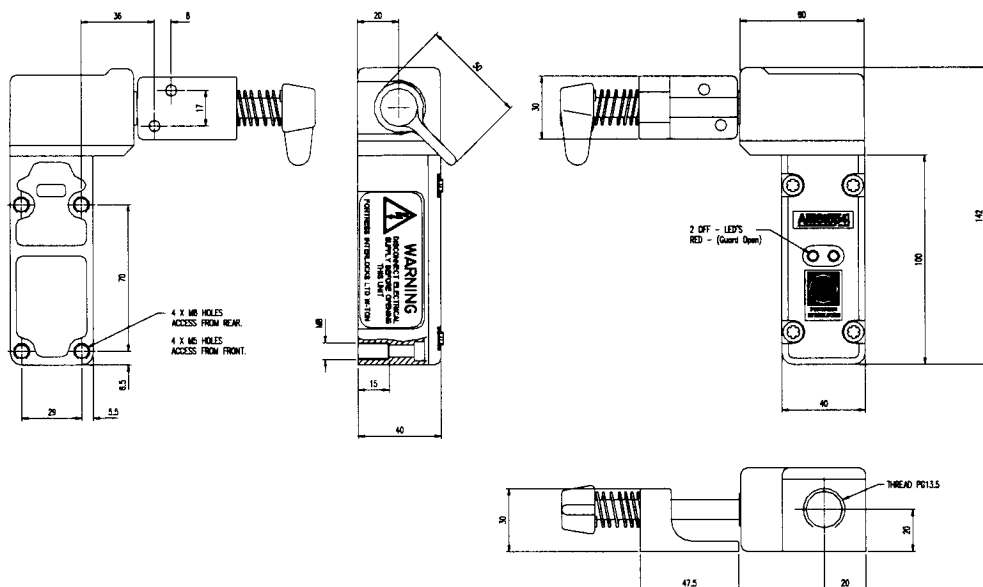
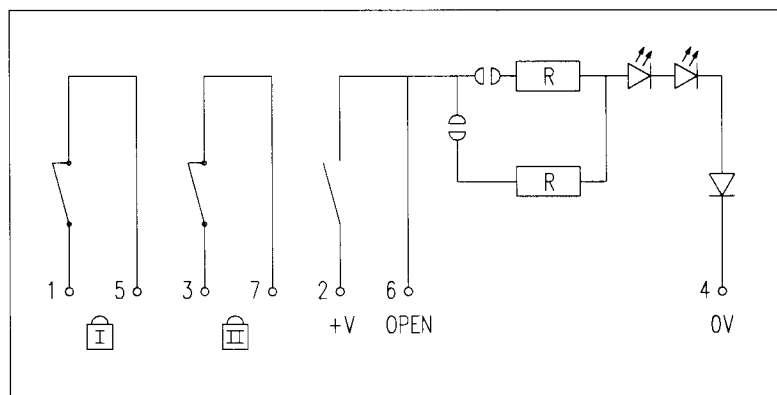


Technical Data (all dimensions in mm)



Wiring Diagram



FORTRESS
INTERLOCKS

AmStop4[®]

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.**

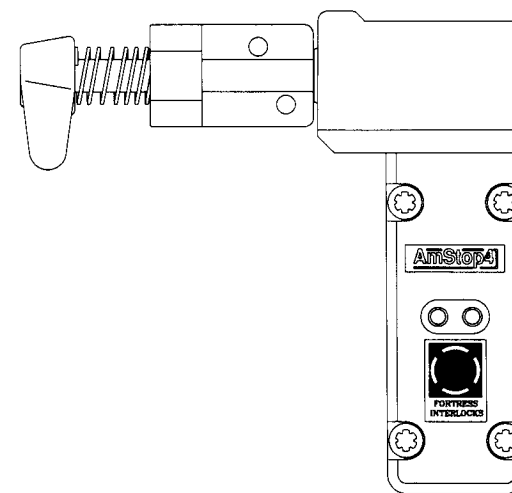
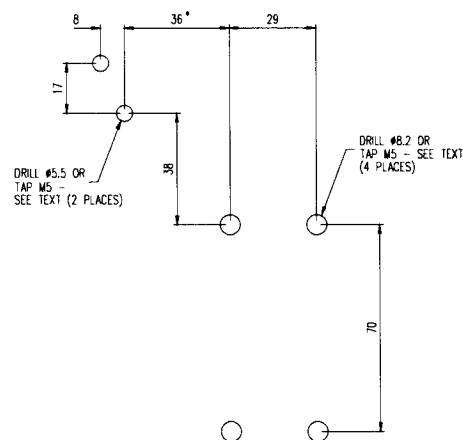
GENERAL

The **AmStop4** is a robust, heavy duty, 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 guard of the machine must be drilled to suit the method of fixing selected. The main unit is normally attached to the static part of the guard and the key is fixed to the access door.

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:-



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COMPANY**

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, referring to the diagram on the front page. Use M5 screws through the unit or M8 screws from the rear.
 4. The Head may be rotated in increments of 90° to suit the installation. If the head is to be repositioned, continue as follows.
 - i. Remove the key from the head.
 - ii. Unscrew and remove the two M4 Cap Head fixings and slide the head out.
 - iii. Reposition the head and slide into place. Depress the plunger with a small screwdriver in order to fit the head into its home position.
 - v. Refit the Cap Head screws. Ensure that the head is firmly fixed in position.
 5. Align the key and fix in place using 2 x M5 screws (and nuts if necessary). Make sure that the key fits in place when the guard is closed.
 6. Make sure the electrical supply is disconnected.
 7. Attach suitable conduit via PG13.5 cable gland.
 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 Red LEDs should light when the key is removed.

ENSURE POWER SUPPLY IS OFF BEFORE CONTINUING

CONNECTIONS

Connection Diagram

Terminal 4. (*Supply common return*).

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

Terminals 1 & 5. (*Safety Circuit 1*)

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

Terminals 3 & 7. (*Safety Circuit 2*)

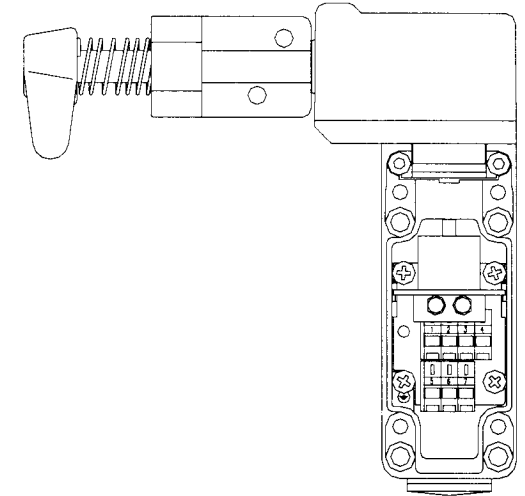
These 'Volt Free' Contacts should be connected in series with the machine motor control circuit or emergency circuit.

Terminal 2. (*Supply*)

Permanent supply voltage to guard Unit.

Terminal 6. (*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.



TECHNICAL SPECIFICATIONS

Switch circuits rated at 10A. Terminals will accept 2.5mm² cables, Max.

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