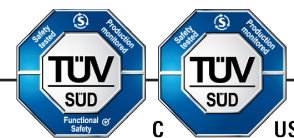


## Operating Instructions: Push Escape Release Adaptors



Adaptors

### Description

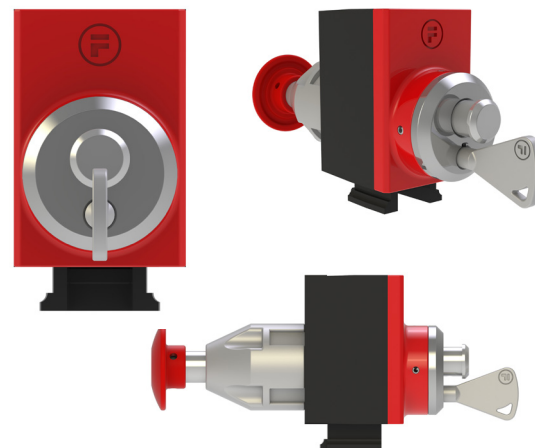
The Escape Release Adaptor is an optional attachment for the amGardpro range. The normal use of the Escape Release Adaptor is to allow escape from behind a locked guard while creating a stop command. Releasing versions of other modules are the type that **MUST** be used in conjunction with this module. This module **MUST** be mounted directly below the head module.

Three versions of reset after escape release activation are available:

- Security Tool.
- Pushbutton (No tool required).
- Pull.

Available lengths of escape release adaptor are:

- 40mm.
- 60mm.
- 80mm.
- Variable 60 - 150mm.



### NOTICE!

If, as a result of risk assessment, it cannot be discounted that persons can be enclosed within a danger zone, the guard locks with additional removable keys (safety keys) must be used or comparable measures must be taken - GS ET 19.

### Options & Ordering Information

Description	Part No.	Post Thickness
Security Tool Reset	R1	40mm
Security Tool Reset	R2	60mm
Security Tool Reset	R3	80mm
Security Tool Reset	R4	Variable
Pull Reset	R6	40mm
Pull Reset	R7	60mm
Pull Reset	R8	80mm
Pull Reset	R9	Variable
Pushbutton Reset	RW	40mm
Pushbutton Reset	RX	60mm
Pushbutton Reset	RY	80mm
Pushbutton Reset	RZ	Variable

### Important:

This product is designed for use according to the installation and operating instructions enclosed. It must be installed by competent and qualified personnel who have read and understood the whole of this document prior to commencing installation. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired. 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 misapplication of this product.

#### DO NOT LEAVE OVERRIDE/RESET KEY IN PLACE!

Always keep in a secure place, under management control, as it allows access to areas that may have a residual hazard, and may result in incorrect operation of some devices.

**BEWARE OF INTENTIONAL MISUSE CAUSED BY OPERATORS WANTING TO BYPASS SAFETY SYSTEMS. THE INSTALLER SHOULD ASSESS THE RISKS AND MITIGATE AGAINST THEM.**

Safety switches (such as a Stop or LOK) must be fitted in conjunction with this unit to monitor when the Escape Release has been activated. When lock adaptors are also used it is not possible to change a Stop to a LOK (and vice versa) without other changes to the locks - seek advice from Fortress.

**IF YOU HAVE ANY QUESTIONS OR QUERIES OF ANY NATURE WHATSOEVER PLEASE CONTACT THE SUPPLIER WHO WILL BE PLEASED TO ADVISE AND ASSIST.**

# Operating Instructions: Push Escape Release Adaptors

## amGardpro Push Escape Release Adaptor Technical Specification

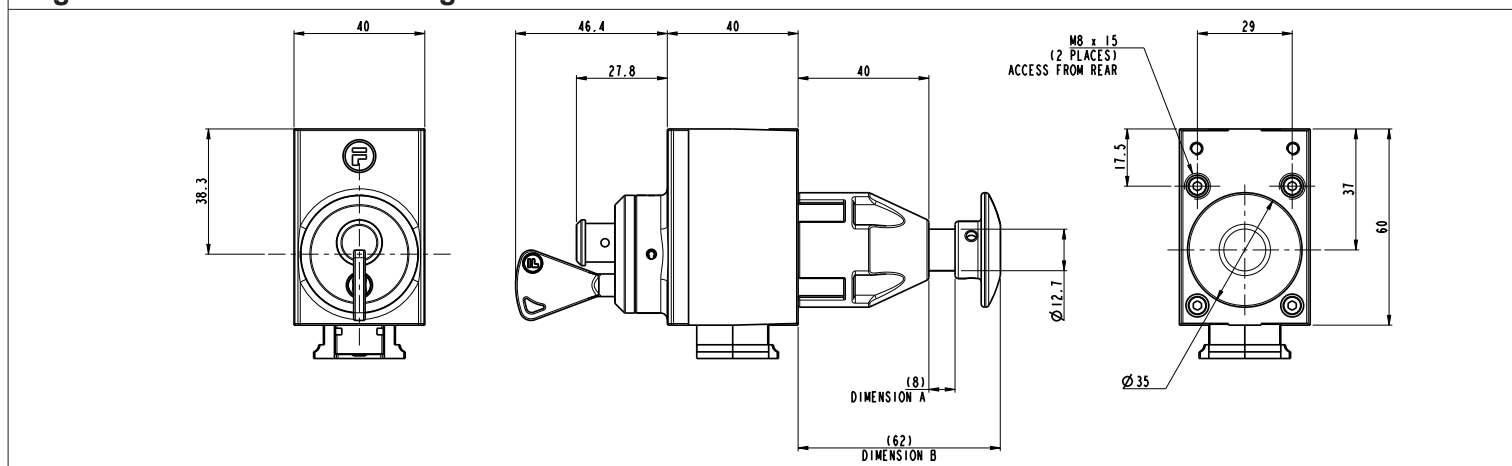
Materials	Housing	Die-cast Zinc Alloy to BSEN12844
	Adaptor Mechanism	Stainless Steel to BS3146
	Internals	Stainless Steel to BS3146
Paint Finishes	Housing Body	Gloss powder coat on passivated zinc alloy - Black
	Housing Lid	Gloss powder coat on passivated zinc alloy - Red
	Adaptor Mechanism	Stainless Steel to BS3146
Mechanical Life	≤1,000,000 Switching Cycles	
Shock and Vibration	Tested in accordance with GS-ET-19	
Performance Level	PLe	
B10d	5,000,000 Operations	
Environment	Indoor & Outdoor	
Ambient Temperature	-5°C to +80°C (23°F to 176°F)	
Maximum Relative Humidity	80%@≤31°C; 50%@40°C	

## amGardpro Push Escape Release Adaptor Safety Functions

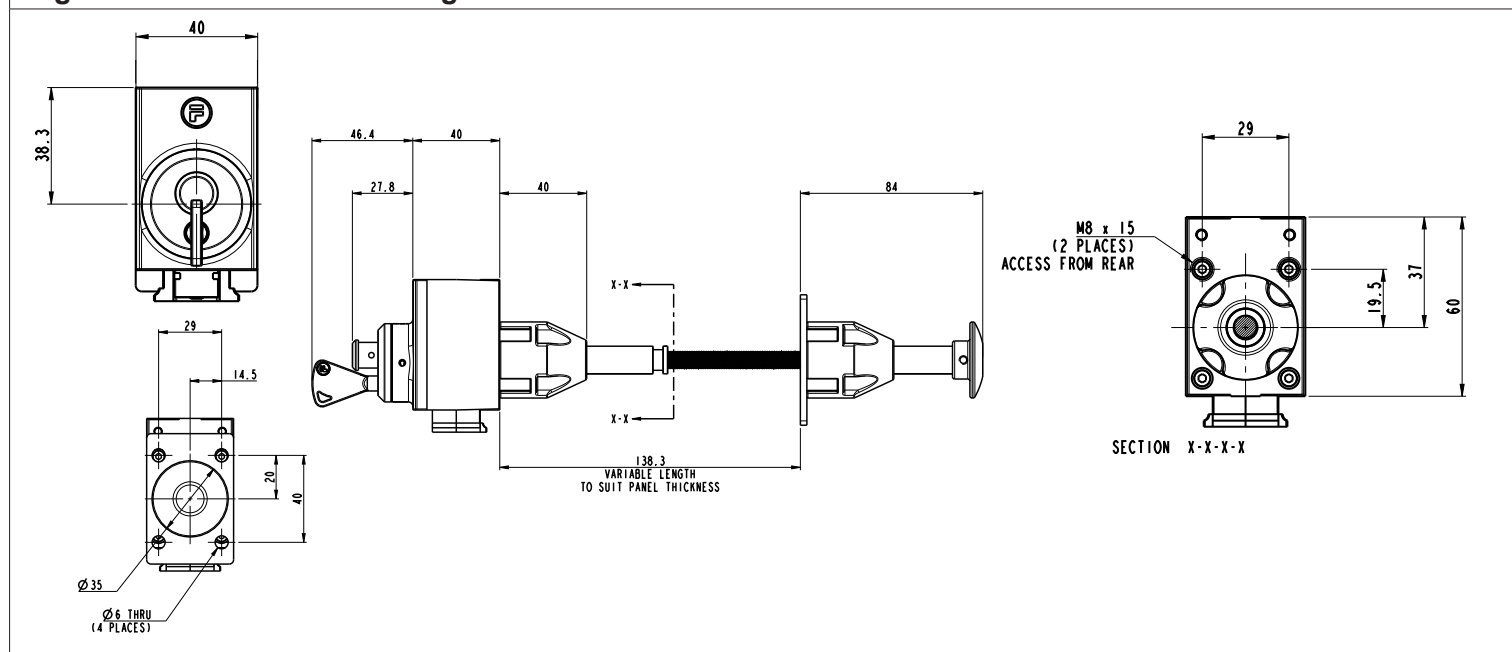
## Part No.

Safety Function 1	Transmit movement (for locking & contact break purposes) when escape not used.	R1/2/3	R6/7/8	RW/X/Y	R4/9/Z
Safety Function 2	Unlocks during escape release & transmits motion to safety contacts.				

### Figure 1: Dimensional Drawing - R2 / R7 / RX



### Figure 2: Dimensional Drawing - R4 / R6 / R7



# Operating Instructions: Push Escape Release Adaptors

<b>Tools and Fixings Required</b>
<b>2.5mm A/F hex wrench</b> (Torque Setting 0.8 - 1.0 Nm) <b>Ø8.2mm Drill</b> <b>2 x M8 screws</b> <b>Ø36mm Drill</b>
<b>Mounting</b>
<ol style="list-style-type: none"><li>1. Locate the amGard<sup>pro</sup> unit containing the Escape Release Adaptor so it is in a suitable position and within reach for easy user operation.</li><li>2. Mount the enclosure assembly together with head assembly to a flat metal, static part of the machine. Use M8 screws from the rear. The mounting surface should be flat.</li><li>3. Refit any lids to host units after cabling is completed.</li><li>4. All fixing screws must be permanently prevented from removal, either by vibration or by personnel using standard tools.</li></ol>
<b>Testing (Unpowered)</b>
<p>The complete guard installation should be tested prior to use. Put guard unit into normal “run” mode, ensuring access to the rear of the unit is available. Press the escape release button fully. The head fitted should now be unlocked, escape possible and electrical contacts broken (<i>pro</i>LOK / <i>pro</i>Stop). To reset the unit pull the escape release button, close the door and refit tongue / handle into the head. Insert override key, turn 90 degrees clockwise (If unit has security tool reset option), and push button on front fully. Remove reset key. Door should now be locked.</p> <p><b>Warning: This device does not contain the reset facility after emergency and auxiliary release of guard locking. Additional measures are required to achieve the reset of the machine system.</b></p>
<b>Service and Inspection</b>
<p>Regular inspection of the following is necessary to ensure trouble-free, lasting operation:</p> <ul style="list-style-type: none"><li>• Correct operating function</li><li>• Secure mounting of components</li><li>• Debris and wear</li><li>• WD40 lubricant or equivalent, should be applied to each mechanical element every 10,000 operations, or sooner, to ensure smooth product operation and function. There are no user serviceable parts in this product. If damage or wear is found with an assembly, please contact your local Fortress Channel Partner. The complete interlock must be replaced after 1 million switching operations.</li></ul>
<b>Disposal</b>
<p>This interlock does not contain any certified hazardous materials so should be disposed of as industrial waste. Electrical items should not be disposed of in general waste and must be appropriately recycled.</p>
<b>Liability Coverage is Voided Under the Following Conditions:</b>
<ul style="list-style-type: none"><li>• If these instructions are not followed.</li><li>• Non-compliance with safety regulations.</li><li>• Installation and electrical connection not performed by authorised personnel.</li><li>• Non-implementation of functional checks.</li></ul>
<b>Protection Against Environmental Influences</b>
<p>A lasting and correct safety function requires that the device be protected against the ingress of foreign bodies such as swarf, sand, blasting shot, etc. The device is to be mounted away from the machine, or by the use of anti-vibration mountings, in order to avoid the effects of vibration, shock and bump.</p> <p>Use in Dusty Environments: Careful product selection is required, which is best performed under the guidance of a Fortress Representative, in order to assess the dust type and product style required. It is normally accepted that the product performs best in a dusty environment when mounted upside down.</p> <p>Use in Corrosive Environments: Careful product selection is required, which is best performed under the guidance of a Fortress Representative.</p>
<b>The manufacturer reserves the right to modify the design at any time and without notice.</b>
<b>This guide should be retained for future reference.</b>