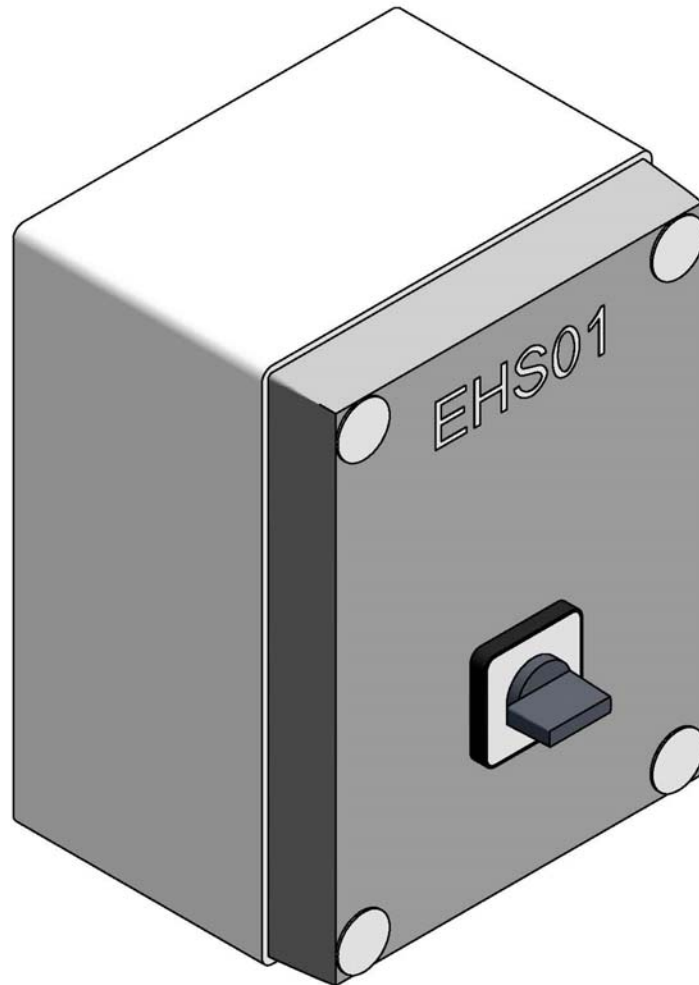


Disablement of EHS Control Switch



Instructions



1 VVS Health and Safety

The VVS has many rotating parts, and even with a slow operating speed, the end user must be aware of the risk of entrapment of body parts and or clothing along the full length of the system. For safe operation of the VVS all switches controlling the curtain must be positioned in such a way that when in use the operator has full view of the curtain.

If it is possible for the operator to initiate a movement of the curtain and leave the location of controls, where they have full view of the system (and hence are unable to stop the system in the event of another person entering the vicinity of the curtain), the curtain must move in a 'limited movement' method – pulsing for 3 seconds and then pausing. This pulse-pause drive reduces the risk of entrapment in the rolling curtain.

The automatic controller (LSR20 or PCB05) uses such a pulse-pause method when driving the curtain in manual and automatic mode. On three-phase motor systems however, the automatic controller is connected to the motor by use of an EHS relay control box. This EHS control box has a 'latched' switch that could override the automatic controller and drive the motor in a continuous manner - this would have higher risks of entrapment for the reasons explained. For this reason the EHS switch MUST be disabled for general use, making it impossible to drive the curtain manually other than by using the automatic controller.

2 Applicable Systems

All three-phase motor systems, being controlled by a LSR20 or PCB05 and connected to the drive and power supply using an EHS (relay) Control Box are applicable. Such systems are summarised in Figure 2-1.

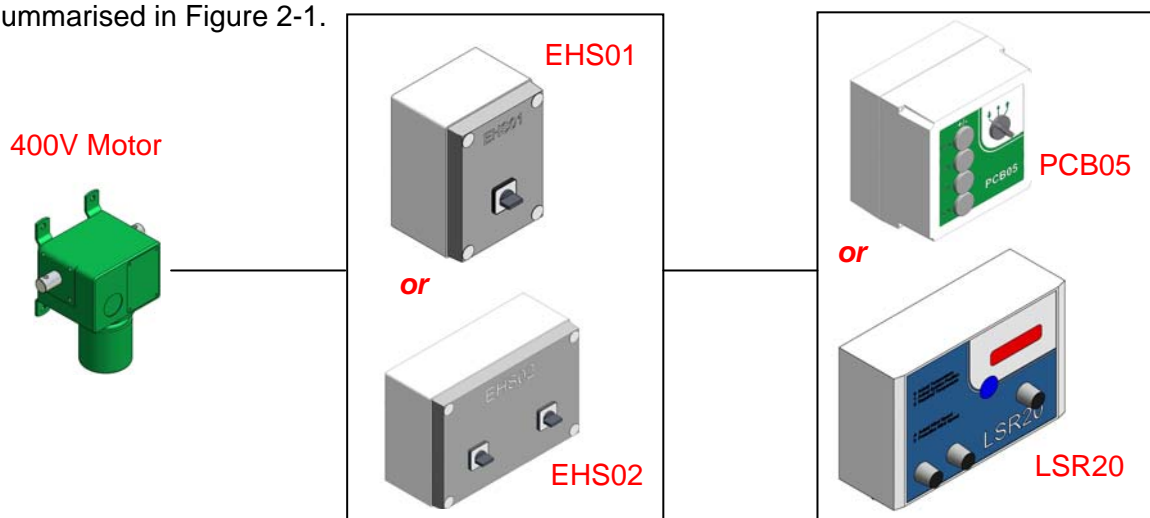


Figure 2-1, Applicable Systems

3 How to Disable 'Latched' Switch

- 3.1 The motor controls are to be commissioned using the instructions supplied.
- 3.2 Turn the EHS switch to 'AUTO ON' (both switches if EHS02) and check that the automatic controller is controlling the curtain correctly, Figure 3-1.

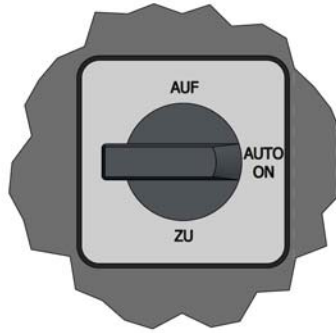


Figure 3-1, EHS Switched to 'Auto On'

3.3



CAUTION: Before opening the EHS control box, isolate power to the system and lock isolator switch.

- 3.4 With the power isolated from the EHS Control Box, remove lid by turning each screw in the corners (x4).
- 3.5 With the lid removed, the switch coupling shaft (S1), connecting the internal electronic switch and the external switch on the lid, can be removed, Figure 3-2. Store this coupling shaft in the control box in case it is required in future.

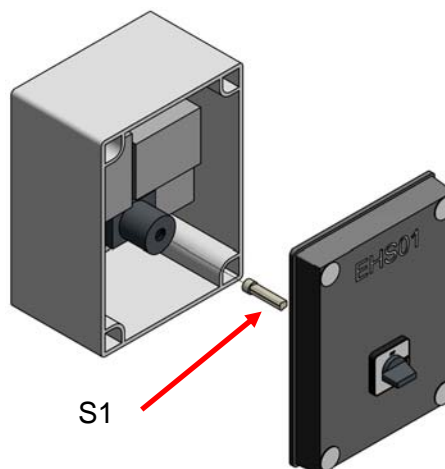


Figure 3-2, Removal of Switch Coupling Shaft

- 3.6 Replace EHS Control Box lid and fasten using the screws in each corner. The external switch should now freely rotate without adjusting the internal switch.
- 3.7 The power can be restored to the EHS Control Box. Check that the VVS is still controlled by the automatic control box (LSR20 or PCB05).
- 3.8 If the Automatic control box is working correctly, attach the label to the EHS Control Box Lid advising that this switch is disabled and only to be used for maintenance purposes, Figure 3-3.



Figure 3-3, Switch Disabled Label

- 3.9 The VVS can now only be controlled in a safe manner

4 Disclaimer



CAUTION: Galebreaker require these instructions to be followed. To not comply with these instructions is at the owners risk and makes the Manufacturers CE approval of the system void.



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