

## General Operation

The Remote / Local Selector knob has no functionality, it does not select the control mode required. It has not been removed to prevent the actuator alarming.

The host PLC selects the control mode required by operating the relays over the network. For each actuator:

Local mode - either DO5 or DO6 should be de-activated

Remote mode - DO5 and DO6 should BOTH be activated.

These relays are operated by commands send over the network to the O\_STAT register, see publication PUB088-005.

The setting tool and IQ3 menu enables network and other parameters to be configured in local mode.

### *In Local mode:*

Remote / Local Selector knob has no functionality. The actuator local controls (Open and Close) will operate in 'Push To Run' mode ONLY. Remote operation is not possible. The local display on the actuator will show 'RLCI in Local'.

### *In Remote mode:*

Remote / Local Selector knob has no functionality. The actuator will only respond to remote commands. The local display on the actuator will show 'RLCI in Remote'.

### *Power cycle:*

After a power cycle the actuator will revert to local control mode.

### *Action on loss of signal:*

On removal of the network communications the local actuator display will show 'Signal Loss Pending'. After the signal loss timeout, it will display 'SIGNAL LOSS'. After the action on loss of signal operation has completed, the actuator will revert to local control mode. Loss of communications time out is scaled in seconds.

## Warning

Selecting local stop by using the local control selector **will not** stop the actuator.

## Protection

A locally mounted Stop can be added to the actuator using to the following method:

- 1) Enable the actuator interlock feature (refer to PUB002-040)
- 2) Connect terminal 4 to 31 on the terminal bung.
- 3) Connect the actuator interlock terminals (37 and 38) together and wire them to one side of Normally Closed (NC) contact of a switch.
- 4) To the other side of the NC contact, wire the actuator 24volt customer supply (5).

**Additional feature for Local / Remote selector indication**

As stated, the Remote / Local Selector knob has no functionality, it does not select the control mode required. It can, however, be used as indication of its position to the DCS, if the 'Aux1 Indicates Local Control Selector in Remote' feature is enabled. If this feature is enabled the position of the selector is fed back via the network to status bit AUX1 for the particular actuator. AUX1 is active for the remote position and inactive for local and local stop positions.

**Profibus GSD parameterisation**

The communications loss timeout can be set up using the actuator menu or Rotork software Insight2. It is also sent to the Profibus card during parameterisation. If the GSD parameterisation parameters are not the same as those set using the actuator menu or Insight2, they will be overwritten with the GSD values. To prevent this, GSD parameterisation can be switched off such that all relevant parameters written using the IQ3 menu or Insight2 are maintained. None of the other parameters discussed in this document are effected by the GSD parameterisation – only the comms loss time out and action. For a list of the parameters sent during parameterisation see document PUB088-005. To prevent GSD parameterisation overwriting parameters set, use the IQ3 menu or Insight2 to disable this feature, see document PUB002-040.