

XP95 OUTPUT UNIT

FUNCTION

The XP95 Output Unit provides a voltage-free, single pole, change-over relay output.

FEATURES

The Output Unit returns an analogue value of 16 under all conditions.

The change-over contact is operated by an output bit.

ELECTRICAL CONSIDERATIONS

The XP95 Output Unit is loop powered and operates at 17-28V dc with protocol voltage pulses of 5-9V.

PROTOCOL COMPATIBILITY

The unit will operate only with control equipment using the Apollo Series 90, XP95 or Discovery digital protocol.

PROTOCOL BIT USAGE

The control equipment transmits a 10-bit message to the Output Unit:

The **output (or forward command) bits** from the control panel have the following function:

Output bits 2 and 1 are not used.

When **output bit 0** is set to logic 1 on two or more consecutive pollings, the relay changes state to the "set" condition. Bit 0 must be set to logic 1 as long as it is desired to keep the relay



Part no 55000-819 (surface mount)

in its set state. The relay will remain latched in the set state until output bit 0 is set to logic 0 on two or more consecutive polls. Neither the removal of loop power nor the discontinuation of interrogation of its address will affect the state - set or not - of the relay.

The relay will not change state during the first 30 seconds after application of loop power. If a command bit is received during this period, it will be actioned at the end of the 30 second period. If the device is not interrogated during this period, the relay will automatically reset.

After the 30 second period, ie, during normal operation, the relay changes state within 0.1 second of receipt of a command.



