

GP420 GENERAL PURPOSE TRIP AMPLIFIER

INTRODUCTION

The GP420 is a member of the Elcontrol 'GP' series of general-purpose trip amplifier cards. The GP420 can accommodate two plug-in trip amplifier cards from the Elcontrol SPL180 range. In addition, there is the option of a signal conditioning card providing analogue current-loop signal strength outputs (0-10mA or 4-20mA) for each of the two trip amplifier (this is only applicable to certain amplifier types - contact Elcontrol engineering for details).

The GP420 provides a flexible choice of output relay configurations:

Each flame amplifier card may operate its own relay.

One relay may be configured to operate if either amplifier card is sensing flame ('OR' mode), the other only if both are sensing flame ('AND' mode).

For trip amplifiers offering a 'fault' or 'alarm' output signal, one of the relays may be assigned to this function, and the other to operate in 'AND' or 'OR' mode as previously described.

The GP420 may be fitted in an ABS enclosure, with protection classification to IP65, or in the Elcontrol UVH6/FP range of Group IIb Flameproof housings. Please see UVH6/FP Amplifier for details

SPECIFICATION

Power supply:

110 AC, 240V AC. A 24V DC version is available to special order (this is only suitable for certain amplifier types)

Output relay configuration:

2 x S.P.C.O. relay contacts, rating 10A @ 240V AC resistive (relay configurations are discussed above).

Analogue signal outputs (optional):

2 x 0-10mA or 4-20mA (or combination of both). Typical maximum loop resistance c. 300 ohms.

Dimensions:

(ABS enclosure variant) 200mm x 150mm x 75mm

