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GIVmon Signal Conditioning Interface

This circuit takes the output from GIVmon and provides a signal suitable for an Arduino analogue input.

The signal can be inverted or non-inverted.

Option A (Sink) GIVmon '+' to pin 2 and '-' to pin 1.   Jumper to 'A'

Option B (Source) GIVmon '+' to pin 3 and '-' to pin 2.   Jumper to 'B'

Never connect GIVmon directly between pin 3 and pin 1.   Connecting the output from GIVmon directly across the Arduino supply is likely to seriously damage a component within GIVmon.

Adjust 'CENTRE' the signal between the supply rails by observing at 'Test Point'

With an input to GIVmon of 240V ac rms, adjust 'GAIN' to typically 4v p-p at 'OUTPUT' for an Arduino operating with a 5V supply.

SIGNAL CONDITIONING INTERFACE

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