

## Energy Control Unit (ECU)



ECU  
CBI Mini Rail

### Features

- Compact size
- Convenient mounting - clips into CBI Mini Rail
- Silent operation
- The controlling circuit can carry 60 A continuously
- LED indication ON when controlled circuits interrupted and OFF when circuit is reconnected
- Instantaneous interruption of controlled load at nominal 105% rated current
- Instantaneous reconnection of controlled load at nominal 65% rated current
- Operating points not affected by ambient temperature

### Applications

- To control the disconnecting of secondary or non-essential loads such as electrically heated water tanks or underfloor heating, during high demand periods.
- **Example:** When a stove (controlling circuit) is switched on and the current exceeds the rating of the ECU, the supply to the hot water tank (controlled circuit) will be temporarily interrupted. The ECU rating (amp) should be low enough to ensure the timely interruption of the controlled circuit.

### Technical Data

Description	
Rated Voltage	240V AC 50 / 60 Hz
Controlling Circuit Ratings	5, 10, 15, 20, 25, 30, 40, 60 A
Controlled Circuit Rating	21 A resistive load

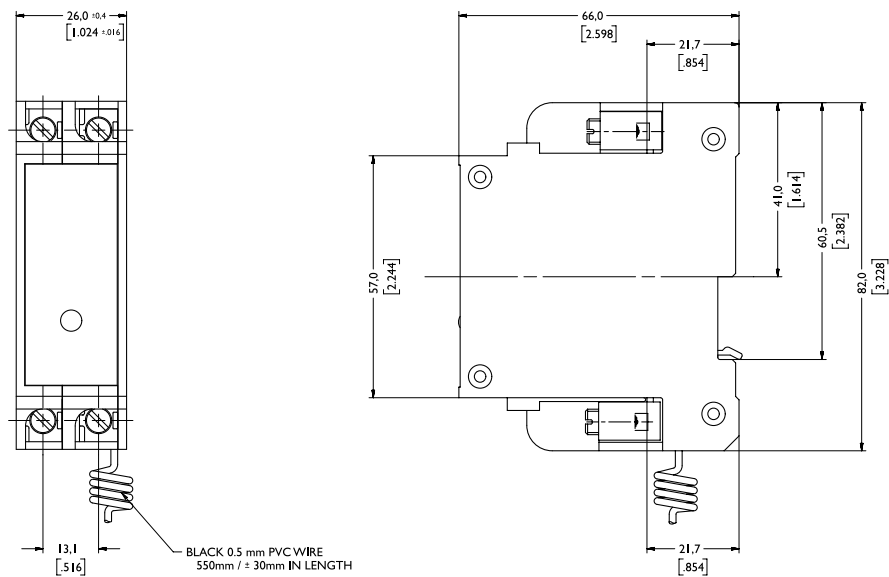
Product Type	ECU
Operating Temperature Range	-40 °C to +85 °C
Mounting Options	CBI Mini Rail
Weight	814 g (unpacked)
Humidity	35 to 85% relative
Altitude	Certification tests done at altitude ≈ 2000 metres. Will operate at higher altitudes.
Flammability	I3 - Ignition does not persist at 850 °C after glow wire is withdrawn with an oxygen index of ≥ 28
Toxicity	F1 - Smoke index of ≤ 20 which determines the fume class
Pollution Degree	PD2 - Normally only non-conductive pollution occurs. Temporary conductivity caused by condensation is to be expected.

## Energy Control Unit (ECU)

### Ordering Information

Energy Control Unit (Electronic)			
Product	Description	Std. Pack	Order No.
<b>SA-ECU</b>	5, 10, 15, 20 A Units, switches 21 A resistive load @ 240V AC (5 kW)	10	SACU0...
	25, 30, 40, 60 A Units, switches 21 A resistive load @ 240V AC (5 kW)	5	SACU0...

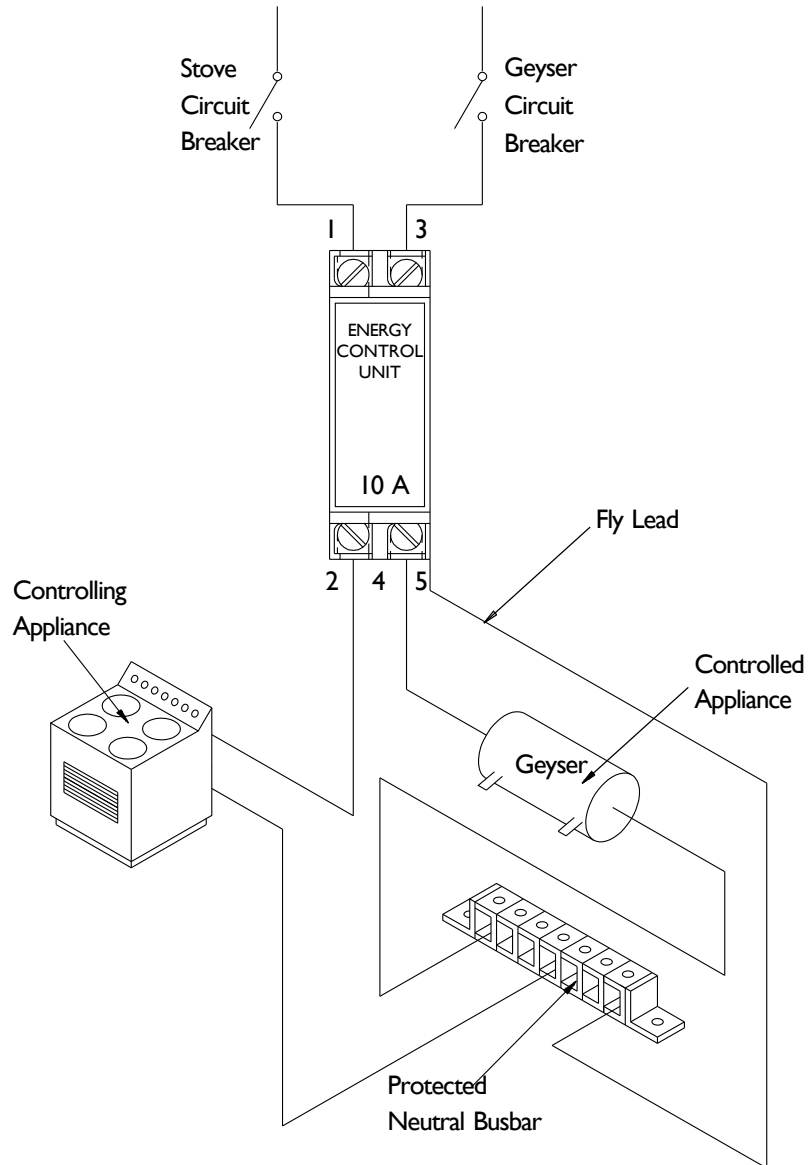
### Dimension Drawings: Energy Control Unit



TOLERANCE ±0.4 UNLESS OTHERWISE SPECIFIED  
(DIMENSION IN BRACKETS ARE IN INCH)

## Energy Control Unit (ECU)

### Typical Installation



Typical Installation - (ECU)

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