

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 circuit is 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
- Not affected by ambient temperature

Applications

- Control a disconnection of secondary or non-essential loads such as a geyser 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 geyser (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	240 Vac 50 / 60 Hz
Controlling Circuit Ratings	5, 10, 15, 20, 25, 30, 40, 60 A
Controlled Circuit Rating	21 A resistive load

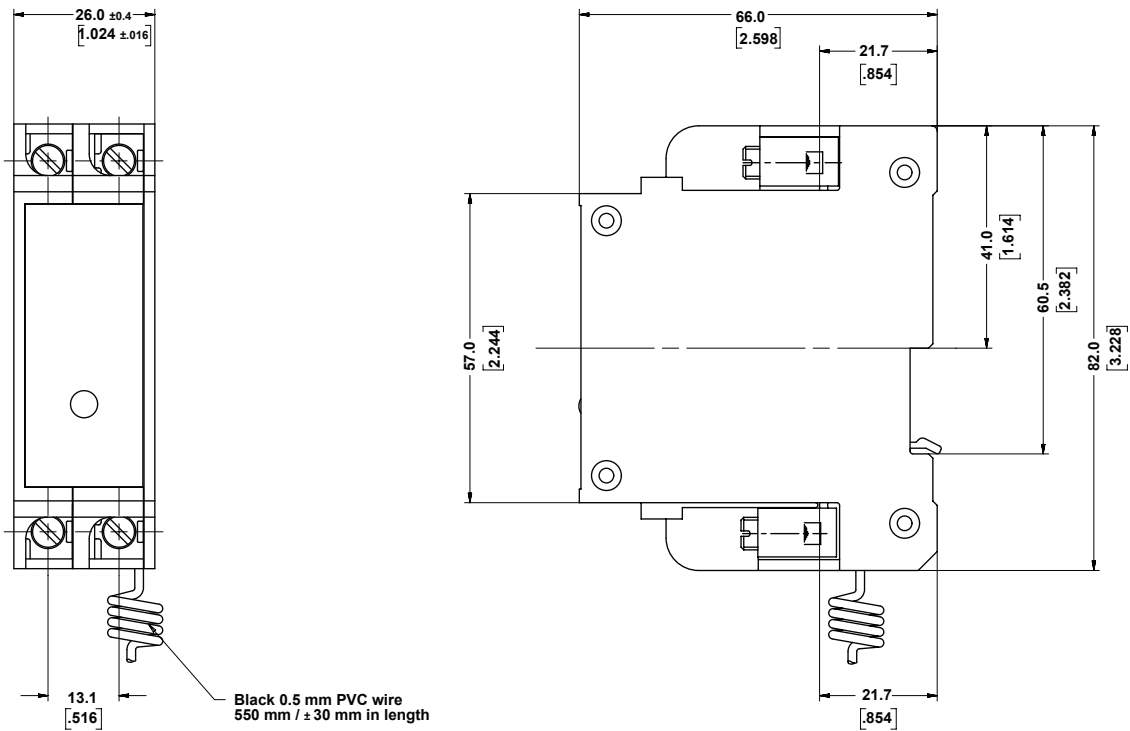
Product Type	ECU
Mounting Options	CBI Mini Rail
Weight	814 g (unpacked)
Humidity	35 to 85% relative
Altitude	Certification tests done at altitude \approx 2000 metres. Will operate at higher altitudes.
Flammability	I3 - Ignition does not persist at 850 °C after glow wire is withdrawn with an oxygen index of \geq 28
Toxicity	F1 - Smoke index of \leq 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.
SA-ECU	5, 10, 15, 20 A Units, switches 21 A resistive load @ 240 Vac (5 kW)	10	SACU0...
	25, 30, 40, 60 A Units, switches 21 A resistive load @ 240 Vac (5 kW)	5	SACU0...

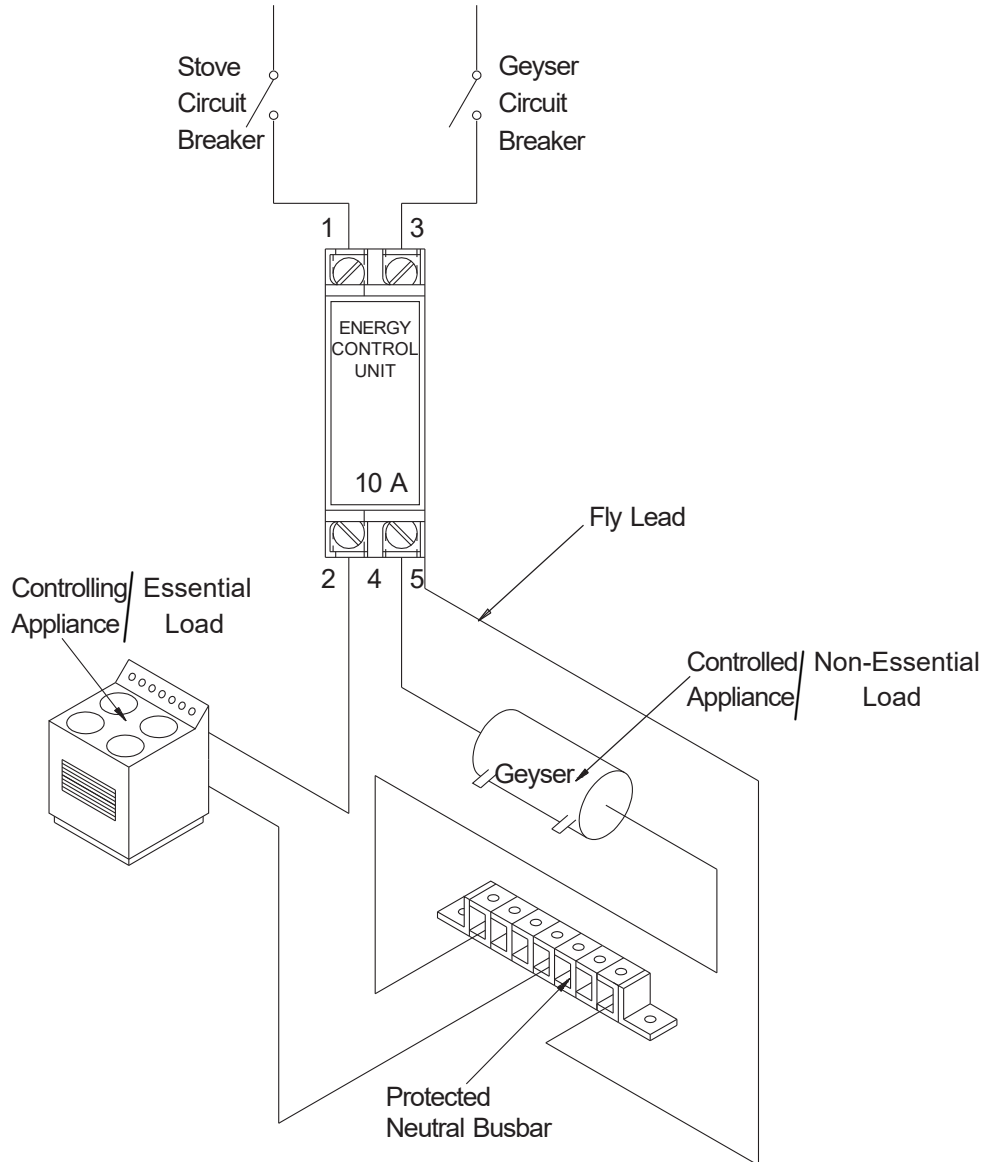
Dimensional Drawings: Energy Control Unit



Tolerance ±0.4 unless otherwise specified
(Dimension in brackets are in inch)

Energy Control Unit (ECU)

Typical Installation



Typical Installation - (ECU)

Please review our Customer Terms and Conditions on www.cbi-lowvoltage.co.za

All rights reserved. Unless otherwise indicated, all materials on these pages are copyrighted by CBI (Pty) Ltd. No part of these pages, either text or image may be used for any purpose other than personal use. Therefore, reproduction, modification, storage in a retrieval system or retransmission, in any form or by any means, electronic, mechanical or otherwise, for reasons other than personal use, is strictly prohibited without prior written permission. CBI (Pty) Ltd reserves the right to alter any details of this document without notice and while every effort is made to ensure the accuracy of the content, no warranty is given as to the accuracy of this document and no responsibility will be accepted for error or misinterpretation and any resulting loss.

AUSTRALIA

CBI-electric: Australia
27 Wedgewood Rd, Hallam
Victoria 3803 Australia
Tel: +61 3 8752 9300
Fax: +61 3 9796 5407
Email: sales@cbi-electric.com.au
Website: www.cbi-electric.com.au

SOUTH AFRICA

CBI-electric: low voltage
Tripswitch Drive Elandsfontein
Gauteng South Africa
Tel: +27 11 928 2000
Fax: + 27 11 392 2354
Email: cbi@cbi-electric.com
internationalsales@cbi-electric.com
Website: www.cbi-lowvoltage.com

USA

CBI-electric: North America
35 E. Uwchlan Ave Suite 328
Exton PA 19341 USA
Tel: +1 610 524 9949
Fax: +1 610 524 9945
E-mail: info@cbibreakers.com
Website: www.cbibreakers.com