



UIC100X

Universal Interface Module

Rev 1



The UIC100X is designed to allow UVR, VR and XR series voltage regulators to be controlled by an analog or digital signal from devices such as genset controllers, power factor controllers, PLCs, and any other device which can input a 0 to 10vdc or +/- 10vdc signal into it.

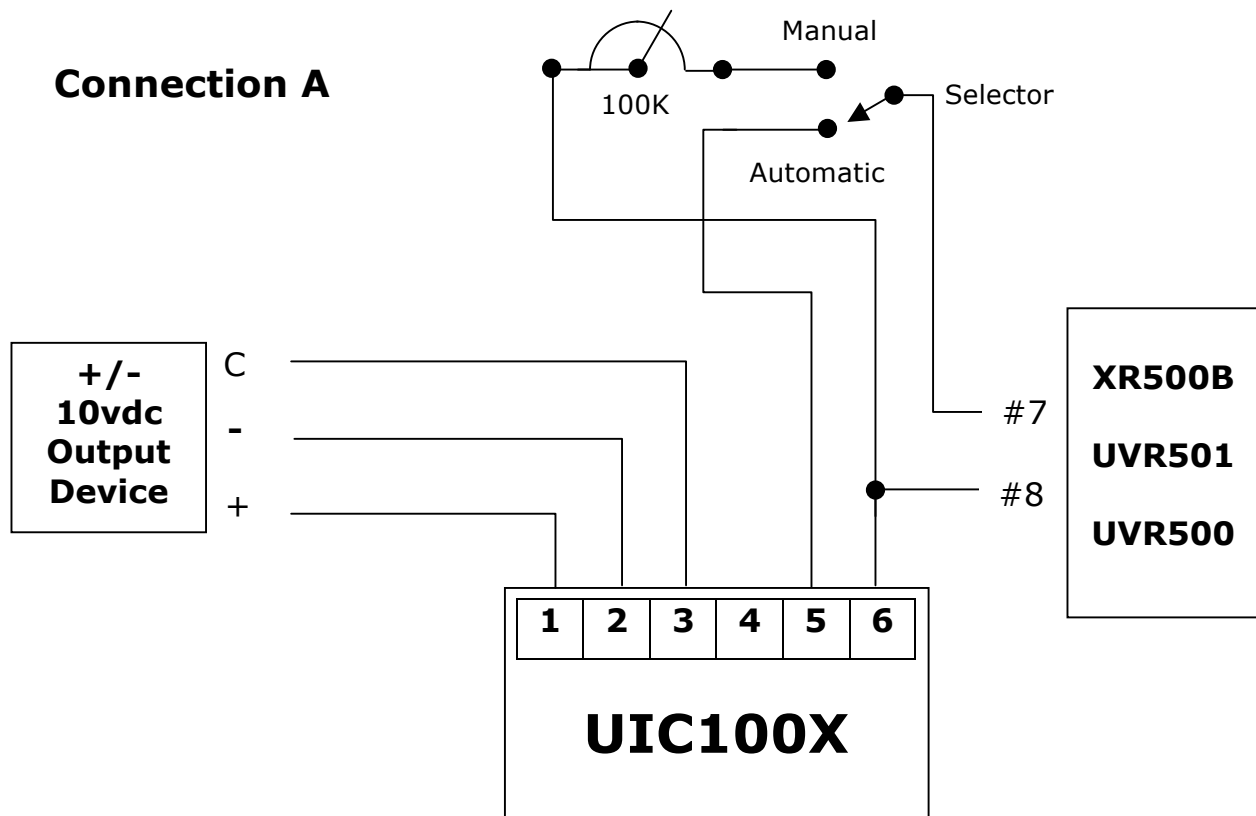
Specifications:

Input Volts	+/- 10vdc
Input Current	2mA
Weight	3.5oz
Size	80 x 76 x 29mm

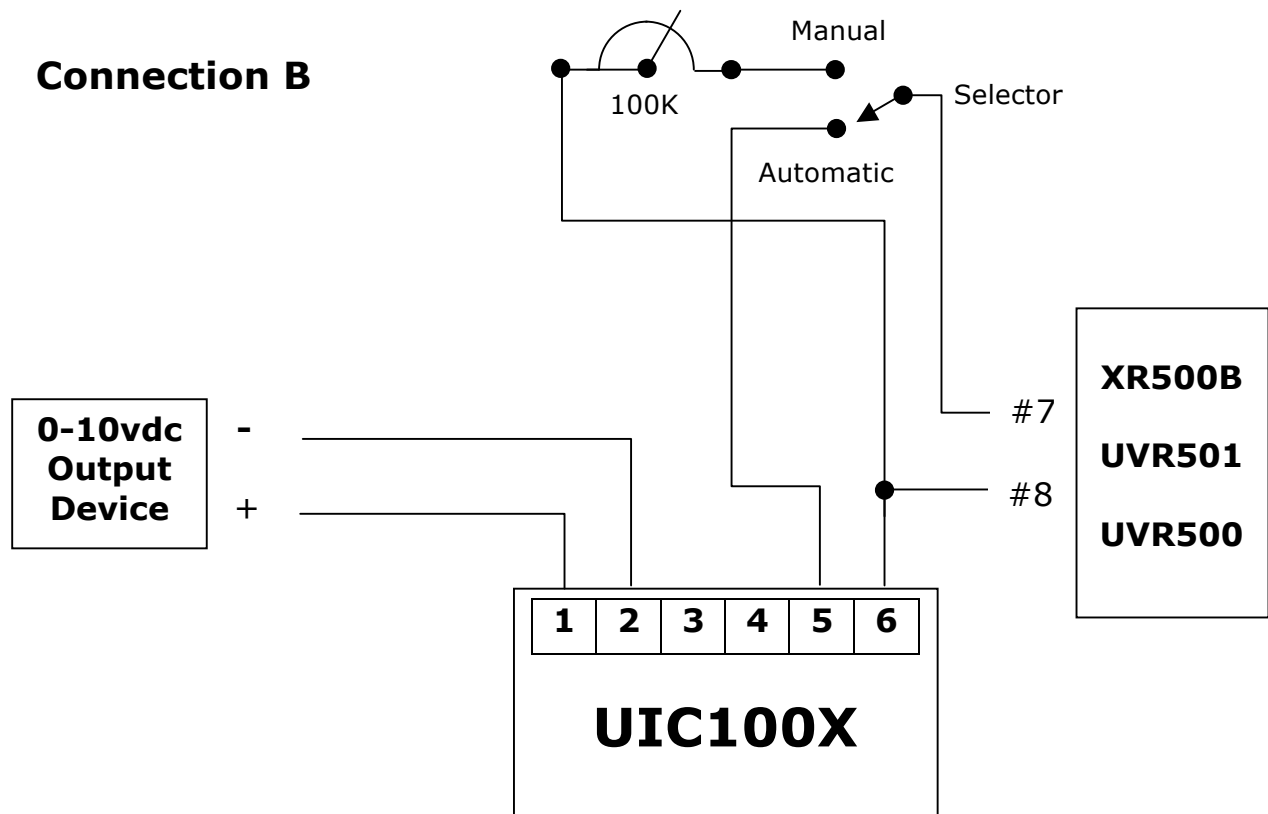
Installation Instructions

- If using a dual polarity control input, wire up as shown in connection A. If using a single polarity control input, use connection B.
- Select manual control for the regulator.
- Start up generator, bring up to design speed and manually adjust the voltage regulator to the desired voltage.
- Select automatic control for the voltage regulator and adjust the automatic control device at the mid point between the highest and lowest output voltage that the device will make the generator produce.
- Place the generator on line and observe for correct operation.

Connection A



Connection B



Power-Tronics, Inc.

Electronic Voltage Regulators and Static Exciters

P.O. Box 291509 Kerrville, Texas 78029



UIC100X

Universal Interface Module

Rev 4



The UIC100X is designed to allow UVR, VR and XR series voltage regulators to be controlled by an analog or digital signal from devices such as genset controllers, power factor controllers, PLCs, and any other device which can input a 0 to 10vdc or +/- 10vdc signal into it.

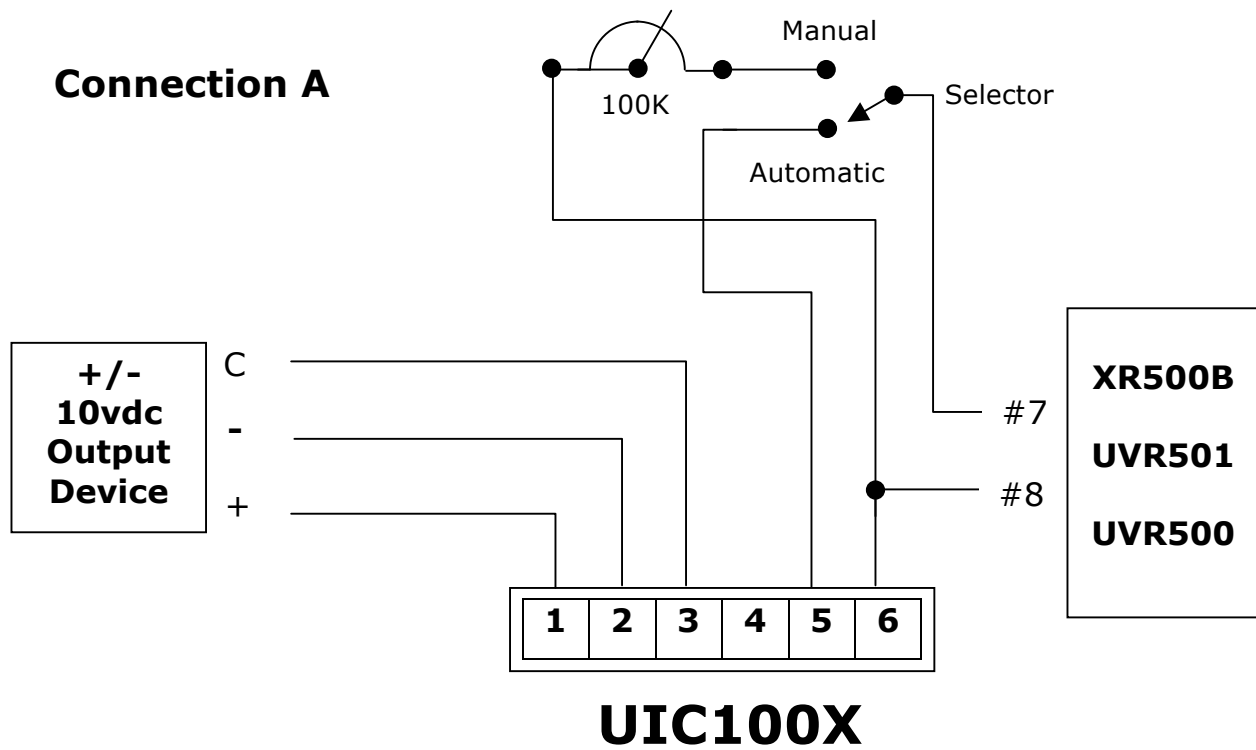
Specifications:

Input Volts	+/- 10vdc
Input Current	2mA
Weight	3.5oz
Size	80 x 76 x 29mm

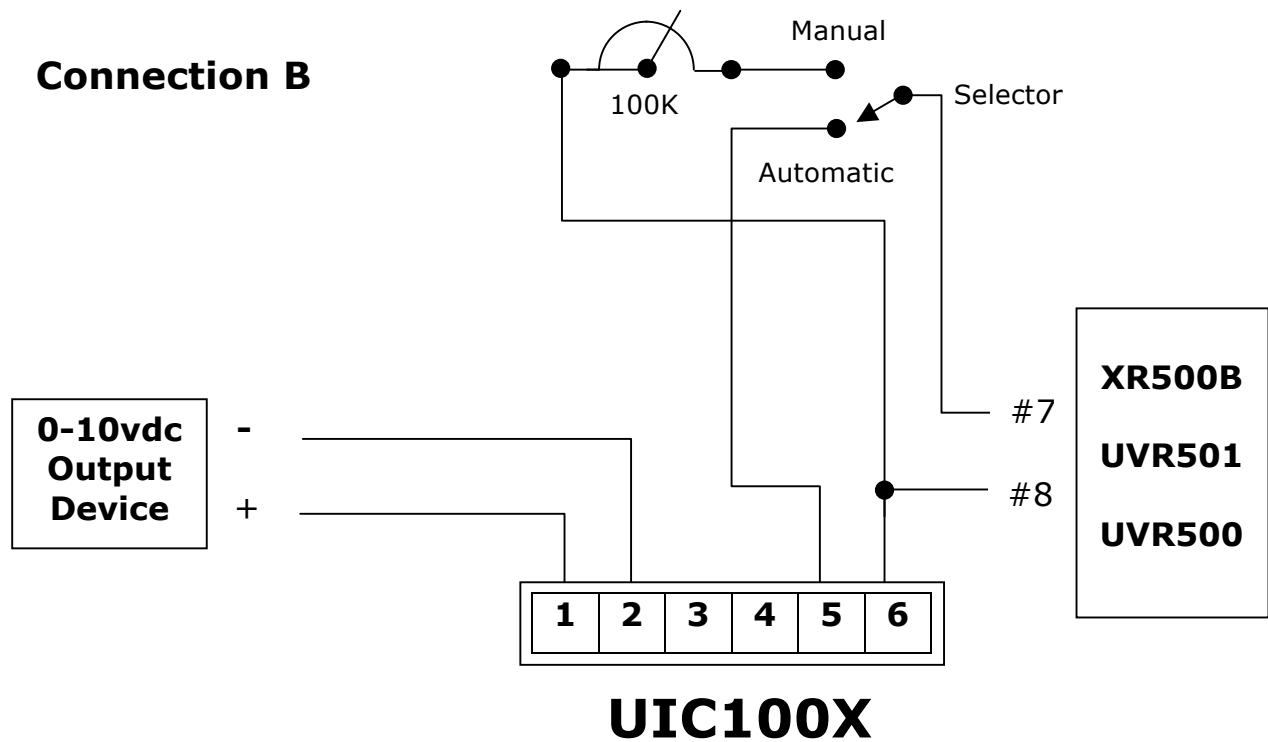
Installation Instructions

- If using a dual polarity control input, wire up as shown in connection A. If using a single polarity control input, use connection B.
- Select manual control for the regulator.
- Start up generator, bring up to design speed and manually adjust the voltage regulator to the desired voltage.
- Select automatic control for the voltage regulator and adjust the automatic control device at the mid point between the highest and lowest output voltage that the device will make the generator produce.
- Place the generator on line and observe for correct operation.

Connection A



Connection B



Power-Tronics, Inc.

Electronic Voltage Regulators and Static Exciters

P.O. Box 291509 Kerrville, Texas 78029



UIC100X

Universal Interface Module

Rev 5



The UIC100X is designed to allow UVR, VR and XR series voltage regulators to be controlled by an analog or digital signal from devices such as genset controllers, power factor controllers, PLCs, and any other device which can input a 0 to 10vdc or +/- 10vdc signal into it.

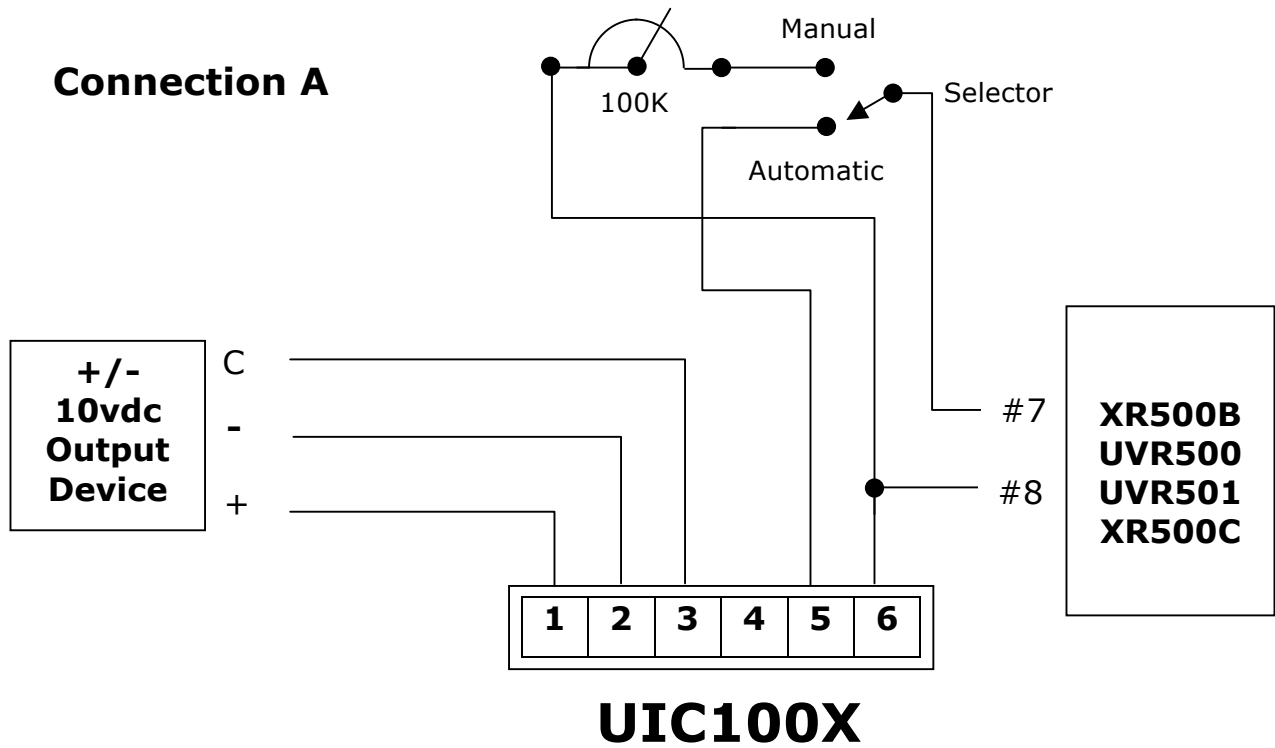
Specifications:

Input Volts	+/- 10vdc
Input Current	2mA
Weight	3.5oz
Size	80 x 76 x 29mm

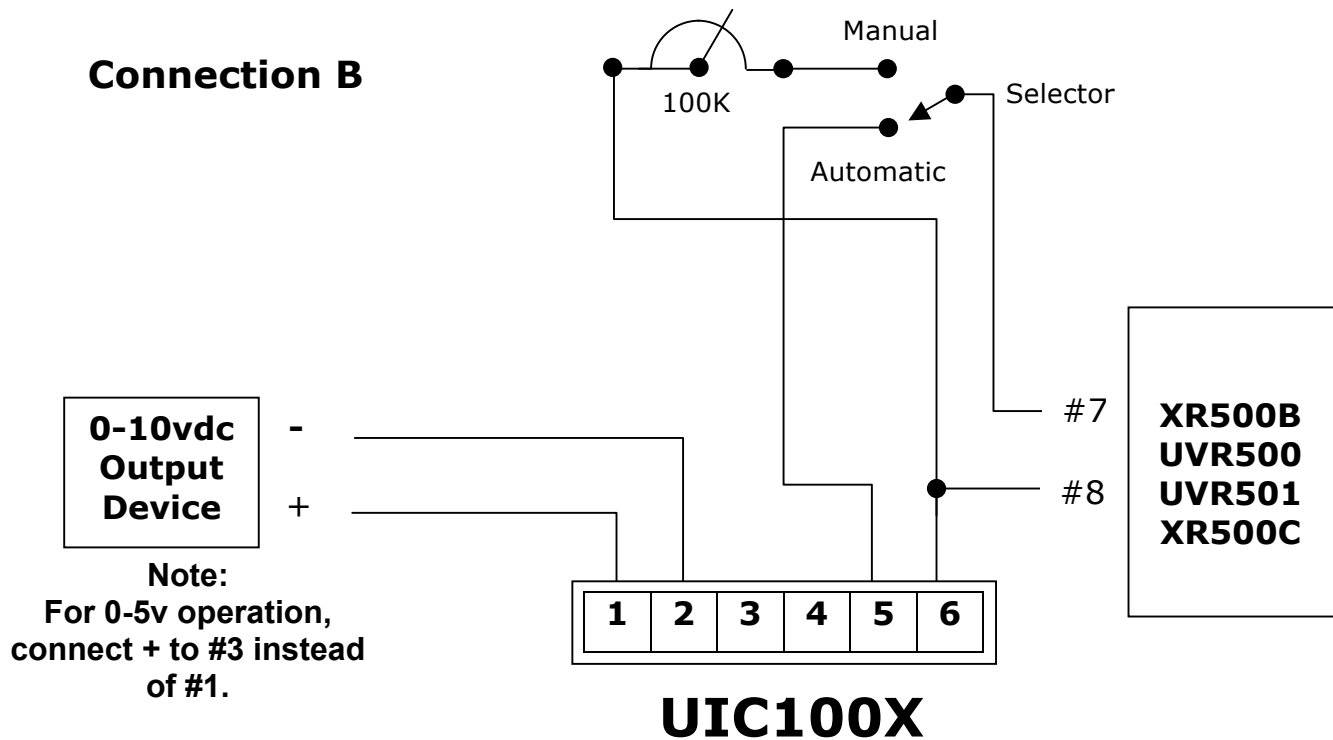
Installation Instructions

- If using a dual polarity control input, wire up as shown in connection A. If using a single polarity control input, use connection B.
- Select manual control for the regulator.
- Start up generator, bring up to design speed and manually adjust the voltage regulator to the desired voltage.
- Select automatic control for the voltage regulator and adjust the automatic control device at the mid point between the highest and lowest output voltage that the device will make the generator produce.
- Place the generator on line and observe for correct operation.

Connection A



Connection B



Power-Tronics, Inc.

Electronic Voltage Regulators and Static Exciters

P.O. Box 291509 Kerrville, Texas 78029

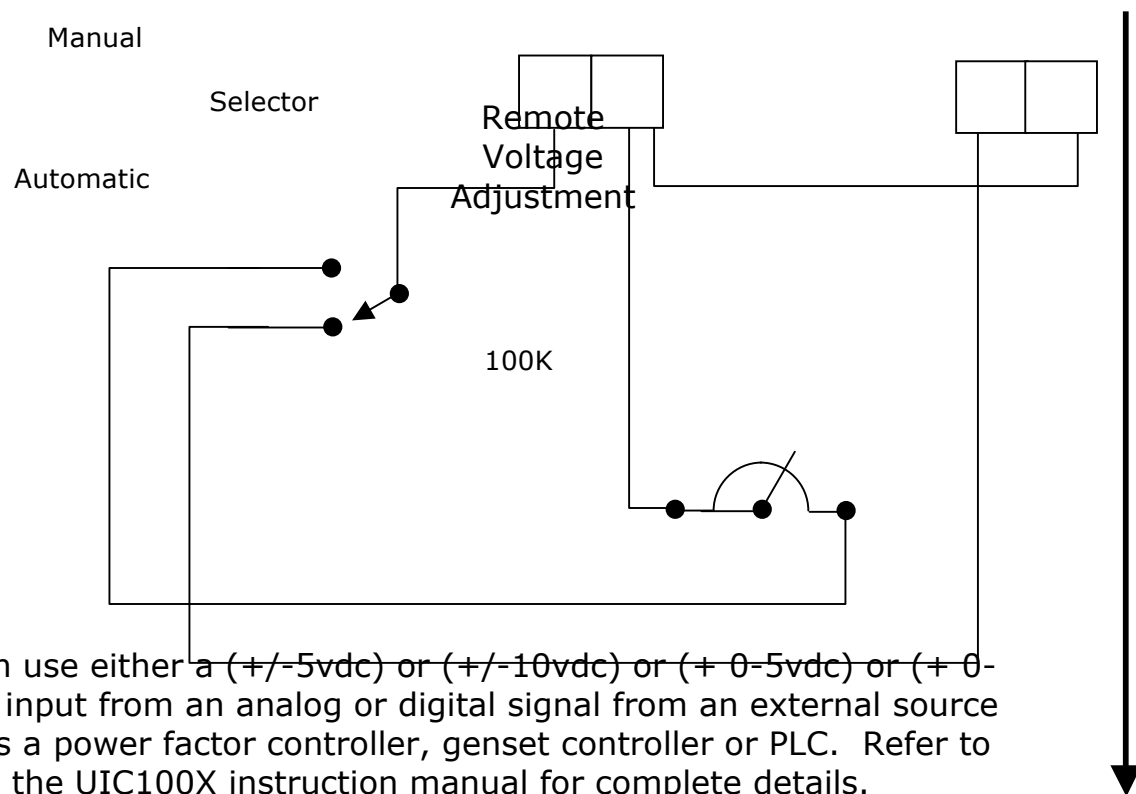
SE1500 Series Static Exciter Connections

TB3

E F

UIC100X

5 6



You can use either a (+/-5vdc) or (+/-10vdc) or (+0-5vdc) or (+0-10vdc) input from an analog or digital signal from an external source such as a power factor controller, genset controller or PLC. Refer to the UIC100X instruction manual for complete details.

