BROYCE CONTROL

*Passionate about protection and control*

# CONTROL RELAYS




AC/DC VOLTAGE MONITORING

AC/DC CURRENT MONITORING

BATTERY VOLTAGE

LOGIC/ ALTERNATING RELAY

THERMISTOR

UL LISTED

c UL us LISTED

# CONTROL RELAYS

## LR44/5N

*Logic Relay - 3 Outputs*

NEW

NFC

**Benefits:**

- ✓ Pre-defined profiles
- ✓ Quick to set up using app^
- ✓ Fully programmable
- ✓ Mini PLC operation using gate logic (AND, NAND, NOR, OR)
- ✓ Clone settings on further units
- ✓ Program without power applied
- ✓ Customisable
- ✓ Suits applications requiring multiple pump control

**Key Features:**

- Built-in NFC
- Accepts up to 5, Voltage-free, N.O. contacts
- Adjustable time setting
- Wide auxiliary operating supply voltage (85 – 265V AC/DC)
- 3 x SPNO relays outputs - 5A
- Green LED indication for supply and NFC status
- Individual Red LED indication for relay status




*Dims: to DIN 43880 W. 44mm*

*^ App available from:*

GET IT ON Google Play

## LR44/2 & LR44/3

*Logic Relay - 2 or 3 Outputs*

**Key Features:**

- Designed to balance the operation between motors, compressors, generators, etc
- "Help" function
- Accepts up to 3, Voltage-free, N.O. contacts
- Microprocessor based
- Isolated power supply
- Wide auxiliary operating supply voltage (85 - 265V AC/DC)
- 2 x SPNO relay outputs - 5A (LR44/2)
- 3 x SPNO relay outputs - 5A (LR44/3)
- Green LED indication for supply status
- Individual Red LED indication for relay status
- Other logic/switching patterns available on request




*Dims: to DIN 43880*
*W. 44mm*

## LTMR

*Thermistor Relay*

NEW

**Key Features:**

- Monitors for over temperature in motor windings, etc
- Used with PTC (Positive Temperature Coefficient) Thermistors
- Fixed operate/release resistance (in accordance with DIN 44081)
- Wide operating supply voltage (100 - 230V AC/DC)
- 1 x SPDT relay output - 5A
- Green LED indication for supply status
- Red LED indication for relay status




*Dims: to DIN 43880*
*W. 17.5mm*

## LMCCR-2A

*Multifunction, Combined Current Monitoring*

**Key Features:**

- True R.M.S. monitoring
- 3 Selectable monitoring ranges (0.02 - 0.2, 0.1 - 1, 0.2 - 2A AC/DC)
- Selectable Under or Over current monitoring
- Selectable hysteresis, latch and power up delay options
- Adjustable trip level and time delay
- Isolated Auxiliary Supply (12 - 60V or 24 - 230V AC/DC)
- 1 x SPDT relay output - 8A
- Green LED indication for supply status, Red LED for relay and Yellow for alarm




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*Dims: to DIN 43880*
*W. 17.5mm*

## LMCCR-10A

*Multifunction, Combined Current Monitoring*

**Key Features:**

- True R.M.S. monitoring
- 3 Selectable monitoring ranges (0.2 - 2, 0.5 - 5, 1 - 10A AC/DC)
- Selectable Under or Over current monitoring
- Selectable hysteresis, latch and power up delay options
- Adjustable trip level and time delay
- Isolated Auxiliary Supply (12 - 60V or 24 - 230V AC/DC)
- 1 x SPDT relay output - 8A
- Green LED indication for supply status, Red LED for relay and Yellow for alarm




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*Dims: to DIN 43880*
*W. 17.5mm*

## LMCVR-20V

*Multifunction, Combined Voltage Monitoring*

**Key Features:**

- True R.M.S. monitoring
- 5 Selectable monitoring ranges (0.1 - 1, 0.2 - 2, 0.5 - 5, 1 - 10, 2 - 20V AC/DC)
- Selectable Under or Over voltage monitoring
- Selectable hysteresis or latch option
- Adjustable trip level and time delay
- Isolated Auxiliary Supply (12 - 60V or 24 - 230V AC/DC)
- 1 x SPDT relay output - 8A
- Green LED indication for supply status, Red LED for relay and Yellow for alarm




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*Dims: to DIN 43880*
*W. 17.5mm*

## LMCVR-500V

*Multifunction, Combined Voltage Monitoring*

**Key Features:**

- True R.M.S. monitoring
- 5 Selectable monitoring ranges (2 - 20, 5 - 50, 10 - 100, 20 - 200, 50 - 500V AC/DC)
- Selectable Under or Over voltage monitoring
- Selectable hysteresis or latch option
- Adjustable trip level and time delay
- Isolated Auxiliary Supply (12 - 60V or 24 - 230V AC/DC)
- 1 x SPDT relay output - 8A
- Green LED indication for supply status, Red LED for relay and Yellow for alarm




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*Dims: to DIN 43880*
*W. 17.5mm*

# CONTROL RELAYS

## LMWVR

*Multifunction, Windowed Voltage Monitoring*



**Key Features:**

- True R.M.S. monitoring
- 7 Selectable Nominal voltage ranges (12 - 240V AC/DC)
- Window operation Under and Over voltage monitoring
- Adjustable Under and Over voltage trip levels
- Adjustable time delay
- Isolated Auxiliary Supply (12 - 60V or 24 - 230V AC/DC)
- 1 x SPDT relay output - 8A
- Green LED indication for supply status
- Red LED indication for relay status and Yellow for Under or Over voltage alarm

*Dims: to DIN 43880*
*W. 17.5mm*

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## LXCVR

*Under and Over Voltage*



**Key Features:**

- True R.M.S. monitoring
- Monitors own supply
- Adjustable Under and Over voltage trip levels
- Adjustable time delay
- 1 x SPDT relay output - 8A
- Green LED indication for supply status
- Red LED indication for relay status

*Dims: to DIN 43880*
*W. 17.5mm*

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## LCVR/2

*Under and Over Voltage*



**Key Features:**

- True R.M.S. monitoring
- Selectable nominal voltages to suit most popular single phase voltages
- Monitors own supply
- Adjustable Under and Over voltage trip levels
- Adjustable time delay
- 2 x SPDT relay output - 5A
- Green LED indication for supply status
- Red LED indication for relay status

*Dims: to DIN 43880*
*W. 17.5mm*

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## LBVR/A

*Battery Voltage Monitoring*



**Key Features:**

- DC voltage monitoring
- 8 - 30V voltage range
- Adjustable Under voltage trip level
- Adjustable time delay
- 1 x SPDT relay output - 8A
- Green LED indication for supply status
- Red LED indication for relay status

*Dims: to DIN 43880*
*W. 17.5mm*

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**NOTE:** Many other versions and options available which can be customised to suit your requirements!

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**Broyce Control Ltd. Pool Street, Wolverhampton,**
**West Midlands, WV2 4HN. U.K.**
**Tel: +44 (0) 1902 773746 Fax: +44 (0) 1902 420639**
**Email: sales@broycecontrol.com Web: www.broycecontrol.com**

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