

**SYR-LINE** Discover a new world  
**More power... slim size!**

BM1R  
BM2R  
BL1R  
BL2R  
BA1R  
BA2R



**2x8A**  
**DOUBLE**  
**OUTPUT**

**16A**  
**SINGLE**  
**OUTPUT**

# DISCOVER THE MOST **POWERFUL** TIMERS



## ABOUT **Syr-LINE**

The new specialized range at Crouzet, aimed to satisfy the most unique requirements of your applications by innovating in design, engineering and development.

Meet the first member of the Syr-Line range:

**The 17.5 mm Analog Timers**, a new family of 6 timers with higher power of 16 A and double output of 8 A, with all the classic functions and 2 additional special functions.

## HIGH POWER 1 x 16 A

### CONTROL MORE OR BIGGER LOADS

Forget about having a combination of Timer and Contactor to control bigger loads or a larger number of loads, Syr-Line are your all-in-one solution..

### EXTRA PROTECTION WHEN YOU NEED IT

Syr-Line products have greater capacity to withstand surge or inrush current than standard timers due to higher current capacity.

### SPECIAL FUNCTIONS:

#### LATCHING AND DELAYED LATCHING

Along with the classic functions, Syr-Line offers the special functions Latching (Alternating) (TL) and Delayed Latching (Alternating) (Tt), allowing you to turn on and off the output relay with a voltage signal.

### WIDE TIME RANGE

Program your timer to work from as little as 0.5 seconds delay to as long as a 10-day delay (240 hours).

## DOUBLE OUTPUT 2 x 8 A

### INSTANTANEOUS OR TIMED RELAY IN A SLIM PACKAGE

The only 17.5 mm timer on the market offering a dual output version with easy selection on the front face, allowing the option of both outputs to work together simultaneously, or one working instantaneously and the other delayed.

#### OPTION 1: INSTANTANEOUS

Turn on one output instantaneously and the second output with a time delay, to allow different loads to be switched-on gradually.

#### OPTION 2: TIMED

Select the two output relays working together and reduce costs by controlling different loads with the same device.

### MONO OR MULTI FUNCTION

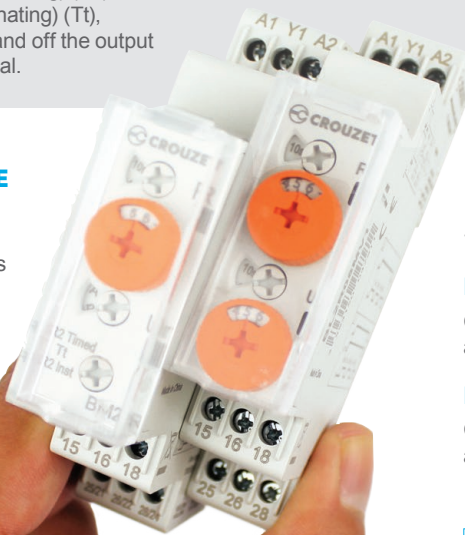
Select between a multifunction version with the 12 most popular functions or a monofunction version ON-Delay or Repeat-Cycle.

### INTERNATIONAL CERTIFICATIONS

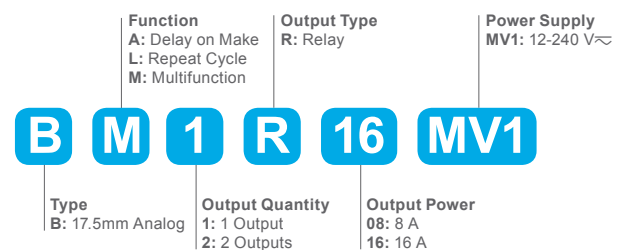
Compliant with the highest standards, Syr-Line 17.5 mm timers are cULus, CE, RoHS and CCC certified.

### ENGINEERING EXPERTISE FOR CUSTOM NEEDS

Crouzet can easily customize Syr-Line timers for your specific application.



### › Part Number System



# PRODUCT LAYOUT

## PROTECTIVE COVER

- › Protect the knobs and the front face from the environment and avoid accidental movement

## MODULAR SHAPE

- › To fit in modular panels

## SMALL SCREW POTENTIOMETERS

- › For right tuning of your timer

## LARGE POTENTIOMETERS

- › Allows to set the right configuration in your timer with your fingers

## SPECIAL FUNCTION

- › To select special functions Latching (Alternating) and Delayed Latching (Alternating) or select in double output versions if second relay works timed or instantaneous

## UNIVERSAL POWER SUPPLY

- › Syr-line timers fits all popular voltages from 12 → 240 V $\overline{\sim}$
- › Connexion compatible with the standard industrial layout

## SIGNAL INPUT

- › For functions when controlling the timer with a signal is needed

## DIN RAIL MOUNT

- › For easy installation in your panel

## SLIM PACKAGE

- › 17.5 mm width plastic housing that helps you save space in your panel

## FUNCTIONS MARKING

- › With all the function diagrams available for each part number

## 2 LED INDICATORS

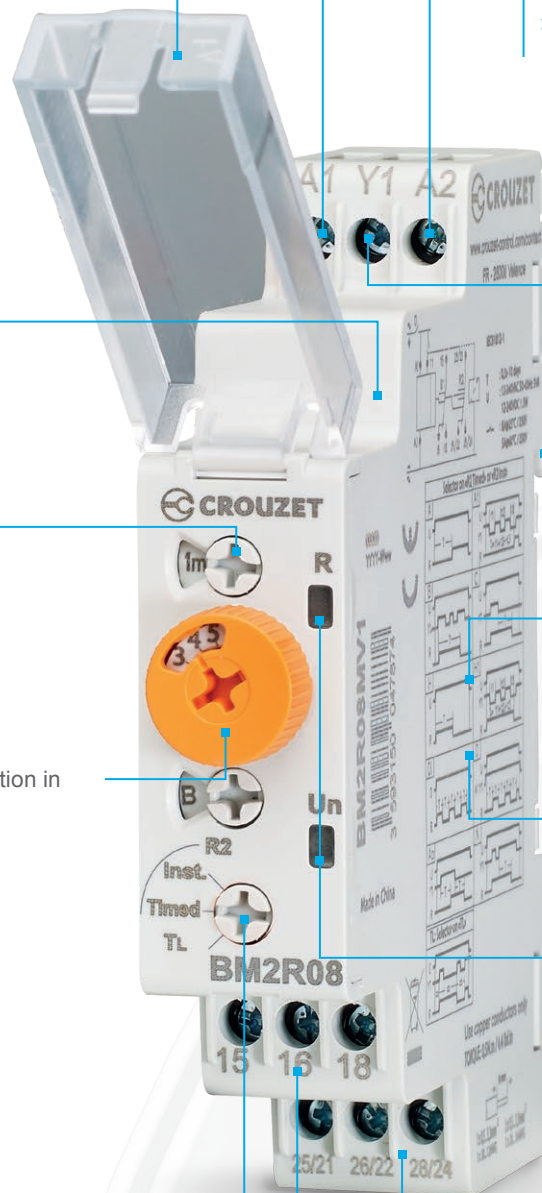
- › For visualization of the status and output of your timer

## HIGH POWER 1 x 16 A



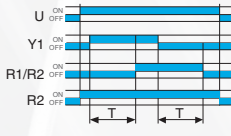
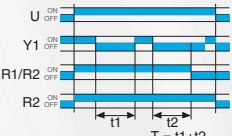
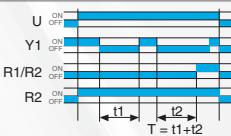
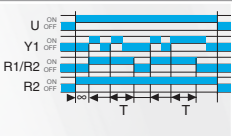
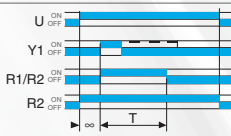
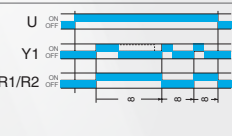
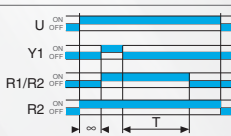
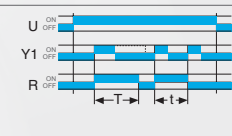
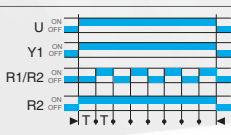
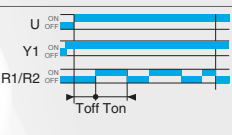
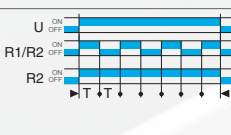
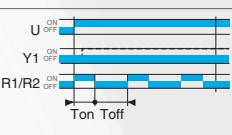
- › Relay output version for high power applications

## DOUBLE 2 x 8 A

- › Relay output version available for standard power applications that requires two relays



# PRODUCT FUNCTIONS

	BM1R	BM2R	BA1R	BA2R	BL1R	BL2R		BM1R	BM2R	BA1R	BA2R	BL1R	BL2R
<b>A</b>  ON-Delay (Delay on Make)	✓	✓	✓	✓			<b>H</b>  Interval	✓	✓				
<b>Ac</b>  ON/OFF Delay (Delay on Make/Break)	✓	✓					<b>Ht</b>  Interval with Memory	✓	✓				
<b>At</b>  Summation Time	✓	✓	✓	✓			<b>N</b>  Watchdog	✓	✓				
<b>B</b>  Single Shot (One Shot)	✓	✓					<b>TL</b>  Latching (Alternating) – Leading Edge	✓	✓				
<b>C</b>  OFF-Delay (Delay on Break)	✓	✓					<b>Tt</b>  Delayed Latching (Alternating) – Leading Edge	✓					
<b>D</b>  Flasher (Symmetrical) – OFF Start	✓	✓					<b>L</b>  Repeat Cycle (Asymmetrical) – OFF Start					✓	✓
<b>Di</b>  Flasher (Symmetrical) – ON Start	✓	✓					<b>Li</b>  Repeat Cycle (Asymmetrical) – ON Start					✓	✓

U: Power Supply (A1/A2)  
 Y1: Trigger Signal (A1/Y1)  
 R1/R2: Relays Outputs Timed → R1 (15/16/18) → R2 (25/26/28)

R2: Relay Output Instantaneous (21/22/24)  
 T: Timing  
 ∞: Infinity



# PRODUCT OFFER

BM1R		BM2R		BA1R		BA2R		BL1R		BL2R	
<b>BM1R16MV1</b>		<b>BM2R08MV1</b>		<b>BA1R16MV1</b>		<b>BA2R08MV1</b>		<b>BL1R16MV1</b>		<b>BL2R08MV1</b>	
	1 X 16 A		2 X 8 A		1 X 16 A		2 X 8 A		1 X 16 A		2 X 8 A
	12-240 V $\sim$		12-240 V $\sim$		12-240 V $\sim$		12-240 V $\sim$		12-240 V $\sim$		12-240 V $\sim$
	Multifunction		Multifunction		Delay on Make A: ON-Delay At: + Memory		Delay on Make A: ON-Delay At: + Memory		Repeat Cycle L: OFF Start Li: ON Start		Repeat Cycle L: OFF Start Li: ON Start
	R1: Timed		R1: Timed R2: Timed/ Instantaneous		R1: Timed		R1/R2: Timed		R1: Timed		R1/R2: Timed

# PRODUCT MARKET

## ENERGY & INFRASTRUCTURE

- › Water & Waste Treatment
- › Water Filtration
- › Water Disinfection
- › Compactors

## FOOD & BEVERAGE

- › Baking Ovens
- › Refrigeration
- › Food & Drink Dispensers
- › Food Processing

## TRANSPORTATION

- › Trucks and Buses
- › Specialty Vehicles
- › Construction Equipment

## INDUSTRIAL

- › Assembly Machines
- › Machine Tools
- › Materials Handling
- › Metal Process
- › Motors and Drives
- › Packaging Equipment
- › Plastic Machinery
- › Test Equipment
- › Textile Manufacturing
- › Wood Process
- › Others

## COMMERCIAL

- › Printing & Other

## BUILDING

- › Access Control
- › Parking Barrier
- › Door Control
- › HVAC
- › Air
- › Filtration
- › Lighting
- › Building Automation



**AMERICAS**
**CANADA**

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

**MEXICO**

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

**USA**

+1 (855) 929-5465  
americas.custserv@crouzet.com

**COUNTRIES NOT LISTED**

+1 (855) 929-5465  
americas.custserv@crouzet.com

**EUROPE / MIDDLE EAST / AFRICA**
**BELGIUM**

Tel.: +32 (0) 2 620 06 05  
Fax: +32 (0) 2 461 00 23  
klantenservice@crouzet.com

**FRANCE**

Tel.: +33 (0) 475 802 101  
Fax: +33 (0) 475 828 900  
relationclient@crouzet.com

**GERMANY / AUSTRIA**

Tel.: +49 (0) 2103/9385930  
Fax: +49 (0) 2103/980-222  
kundenservice@crouzet.com

**ITALY**

Tel.: +39 (02) 38 594 099  
Fax: +39 (02) 82 952 104  
assistenzaclienti@crouzet.com

**SPAIN / PORTUGAL**

Tel.: +34 (91) 215 80 95  
Fax: +34 (93) 2 20 02 05  
atencionalcliente@crouzet.com

**SWITZERLAND**

Tel.: +41 (0) 225 67 57 90  
Fax: +41 (0) 565 88 02 75  
kundenservice@crouzet.com

**THE NETHERLANDS**

Tel.: +31 (0) 20-654 52 20  
klantenservice@crouzet.com

**UNITED KINGDOM**

Tel.: +44 (0) 2076 600 025  
customer.relation@crouzet.com

**COUNTRIES NOT LISTED**

Tel.: +33 (0) 475 802 102  
Fax: +33 (0) 475 828 900  
customer.relation@crouzet.com

**ASIA / PACIFIC**
**CHINA**

Tel.: +86 (21) 8025 7166  
Fax: +86 (21) 6107 1771  
china@crouzet.com

**INDIA**

Tel.: +91 (80) 6762 4501/500  
india@crouzet.com

**SOUTH KOREA**

Tel.: +82 (2) 2679 8312  
Fax: +82 (2) 2679 9888  
korea@crouzet.com

**EAST ASIA PACIFIC**

Tel.: +86 (21) 8025 7177  
Fax: +86 (21) 6107 1771  
eap@crouzet.com

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