

Product changeover from CMD to CIM1

As part of the consolidation of our product portfolio, the monofunctional time relays of the **CMD** series are being discontinued. The successor product is the multifunctional time relays of the **CIM** series, which, with the exception of the 12 V version, fully cover the functionality of the previous CMD products.

The **CIM1/UC24-240V** offers identical technical performance and is suitable for all common applications of the previous CMD series.

This document provides an overview of the similarities and differences between the CMD variants and the CIM1/UC24-240V.

1 Technical compatibility

There are only a few points to consider when switching from the CMD series to the CIM1. In most applications, the replacement can be carried out directly, as the devices are largely identical in terms of function and connection.

1.1 Contacts

Both the CMD and the CIM1 have a changeover contact. Both series have the same contact material and the same expected service life. The switching behaviour therefore remains unchanged.

1.2 Time functions

As a multifunction relay, the CIM1 has 9 different time functions. In particular, it covers the switch-on delay (E) of the CMD11-E variants and the switch-off delay (A) of the CMD11-A variants.

1.3 On/off function

The on/off button in both series is primarily used for service purposes to switch the device on or off manually.

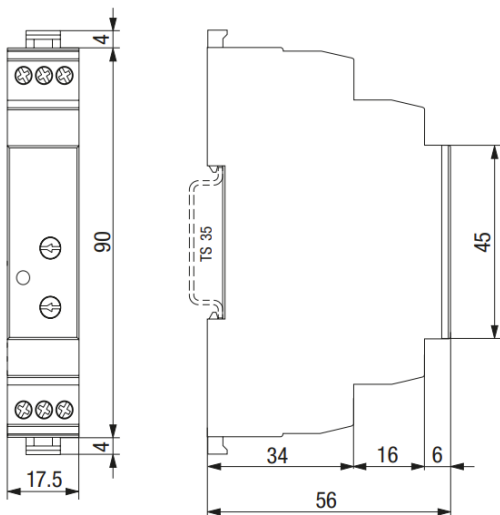
1.4 Form factor

The housings differ slightly: the CIM1 is less tall than the CMD, but slightly deeper. However, both series are the same width and fit easily into the sub-distribution board. The CIM1 protrudes 14 mm further, which in practice is usually not a limitation.

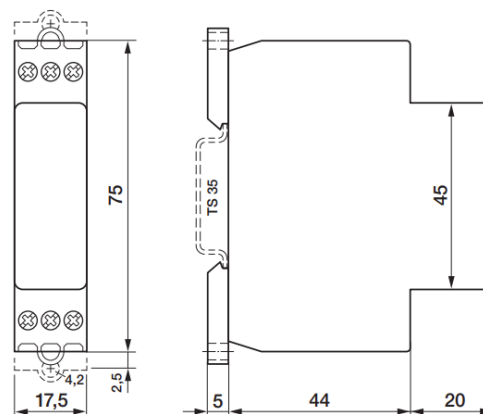


CMD (blue) and CIM1 (grey) in the sub-distribution board

Dimensions of the CMD



Dimensions of the CIM1





2 Conversion notes

2.1 Wiring

The CIM1 is fully connection-compatible with the CMD.



Each terminal is located in the same position and the requirements for conductor cross-section and torque are identical. No adjustments to the existing wiring are necessary.

Wiring diagram for switch-on delay CMD11-E and CIM1	Wiring diagram for switch-off delay CMD11-A and CIM1
	

2.2 Setting the time function and scale

When replacing a CMD with a CIM1, the corresponding time function is set identically:

CMD11-E → CIM1: Function E (switch-on delay)

CMD11-A → CIM1: Function A (switch-off delay)

The time scale is identical. The settings can be transferred 1:1 from the CMD11.

3 Product overview

Discontinued	Alternative product
CMD11-A/AC230V	CIM1 /UC24-240V
CMD11-E/AC230V	
CMD11-A/AC115V	
CMD11-E/AC115V	
CMD11-A/UC24V	
CMD11-E/UC24V	
CMD11-A/UC12V	No directly compatible alternative available. Our support team will be happy to inform you about the options.
CMD11-E/UC12V	

The **CIM1** allows direct replacement of existing CMD devices without technical modifications. The [CIM1 data sheet](#) is available on our website and contains all relevant technical information. You can also find the data sheet via the navigation:

www.comatreleco.com/en/Products/Time-Relays/Multifunction-Time-Relays/CIM-Series/

If you have any further questions, our technical support team will be happy to assist you: support@comatreleco.com