

# BU3111

## PLC / Automation

### CM574-RS and CM574-RCOM

#### Sales release of the

- Programmable communication module CM574-RS
- Communication module CM574-RCOM



We are pleased to announce the release of the programmable communication module CM574-RS and the communication module CM574-RCOM. An AC500 CPU can expand up to four communication modules to achieve a maximum of ten serial communication ports locally.

#### **CM574-RS: Programmable communication module**

The CM574-RS communication module has two individually configurable RS232/485 serial interfaces with a dedicated programmable co-processor (identical to CPU PM571) with the following functionalities:

- 2x RS232/485 serial interfaces COM1 and COM2, independently configurable
- 2x 9 pole pluggable spring connectors with same pin-out than the standard CPU serial interfaces
- Protocols on COM1: Programming interface (local co-processor and CPU), CS31 Master, Modbus RTU (Master/Slave), ASCII, free protocol
- Protocols on COM2: Programming interface (local co-processor and CPU), Modbus RTU (Master/Slave), ASCII, free protocol
- Previous protocols (CS31 and Modbus) are implemented as standard in the module and do not need any programming. The attached I/O will be mapped into the process data of the CPU under the dedicated coupler memory segment
- Free-programmable internal co-processor (identical to CPU PM571) through PS501 software
- Configuration of the standard functionality of the coupler is done by PS501 configuration
- FW update of the coupler is managed in the same way as for the standard communication module (e.g. CM572-DP, etc.)

#### **CM574-RCOM: Communication module with RCOM protocol**

The CM574-RCOM communication module is based on

CM574-RS but not programmable and containing a dedicated RCOM protocol application for remote communication on the proprietary ABB RCOM protocol. The CM574-RCOM is equipped with 2 serial interfaces (RCOM protocol communication and Console). Depending on the electrical connection, the physical interface of the RCOM protocol interface and the debugging terminal interface is either RS-232 or RS-485 with the following functionalities:

- 2x RS232/485 serial interfaces COM1 and COM2
  - 2x 9 pole pluggable spring connectors with same pin-out than the standard CPU serial interfaces
  - COM1: RCOM / RCOM+ protocol on RS232/485
  - COM2: console on RS232/485
  - The CM574-RCOM Communication Module can be configured as RCOM master or RCOM slave.
  - Up to 254 RCOM slaves are possible in a network (max. 8 slaves when using MasterPiece 200 and max. 30 slaves when using dial-up operation).
  - The RCOM protocol is compatible to MP200/1 with DSCA 180A. All RCOM services are available (cold start, warm start, normalization, clock synchronization, writing and reading data, event polling).
  - The RCOM interface for connecting the modem corresponds to EIA RS-232. Operation according to EIA RS-485 is also possible.
  - An additional RS-232 interface (CONSOLE) is available for commissioning (for displaying communication history, planning phone numbers, etc.).
  - Software clock (can be used by the PLC program).
- The product has CE and cUL and approvals. Information about additional certifications is on request.

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#### Ordering Information

1SAP170400R0001 CM574-RS:  
AC500,Com.Module 2xRS-232/485, Free configurable.  
Serial Interface Module

1SAP170401R0001 CM574-RCOM:  
AC500,Com.Module Serial RCOM, 1 serial RS-232/485  
RCOM, 1x serial RS232/485 console

We hope that you'll enjoy the new functionalities offered together with the AC500 product range.

Your PLC Team

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