# MA-3016 series Radio remote modules

## I/O MODULES

## Features

- Frequency control: Crystal
- Low power indicator.
- Operation range: up to 100 meters
- Supports Modbus RTU / ASCII
- Free PC software Mindman Utility.
- Logic gate diagram function.
- LED indicators.
- Dual watchdog timer.

## Order example

MA – 3016 U

MODEL

Blank: VHF
**U**: UHF

## Specification

| Model | MA-3016 / MA-3016U |
|---|---|
| Receiver output type | Sink (40VDC / 200mA / Isolation 3000VDC) |
| Receiver interface | RS-485 |
| Receiver input power | 10 ~ 30 VDC |
| Receiver speed | 1200~115200 bps |
| Receiver output LED | YES |
| Transmitter input power | 2 AA size batteries |
| Operation temperature | −20~+75℃ (no freezing) |
| Operation distance | Up to 100 Meters |
| Watchdog timer | System m & Comm |
| Logic gate diagram function type | 11 |
| Logic gate diagram function rule | 128 |
| Size (L×W×H) | 200×77×40 mm (Receiver), 120×55×25 mm (Transmitter) |
| Weight | 142g (Receiver), 155g (Transmitter) |

## Application software

### Mindman editor

- Support Model: MA series distributed control system
- Support OS: Windows 98 / ME / 2000 / XP / Vista / Window7

### Mindman utility

- Support Model: MA series distributed control system / MA series remote modules
- Support OS: Window98 / ME / 2000 / XP / Vista / Window 7

### MA-152*U driver / AMB128 driver

- Support Model: MA series industrial communication/ MA series memory card
- Support OS: Window98 / ME / 2000 / XP / Vista (32/64 bit) / Window 7(32/64 bit) / WinCE / Linux / Mac

### MA-1571U driver

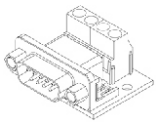
- Support Model: MA series industrial communication
- Support OS: Window98 / ME / 2000 / XP / Vista (32/64 bit) / Window 7(32/64 bit) / WinCE / Linux / Mac / Window Server 2008 R2 / Android

## Accessories

## Applicable model

### ADP090401

- All type
- Adapter board



**MA-1188*, MA-1189***
**MA-1520,MA-1521,**
**MA-10****,
**MA-3016**

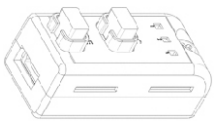
### USB1800

- MA series converter
- USB cable

**MA-1520U, MA-1521U,**
**MA-1571U**

### AMB128

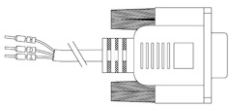
- MA series DCS series
- Memory card



**MA-1188*, MA-1189***

### DSCAB

- MA series DCS series
- Adapter cable



**MA-1188*, MA-1189***