



Wireless amplified repeater for outdoor mounting

- Compact size
- Extended radio range
- Wide-ranging power supply flexibility
- Suitable for outdoor installation

KET-RMB-210.S

Applications

Monitoring consumption

The **KET-RMB-210.S**, together with the Gateway and the nodes with integrated Repeater functionality, provides the **network infrastructure** necessary for the correct transmission of data collected by wireless sensors.

Its high degree of protection, **IP65**, makes it suitable for outdoor installation.

The ZigBee™ standard guarantees high reliability and resistance to interference, while the high sensitivity of the radio module can reach distances of **over 1000 m** in free air. The standard antenna connector supports 90° joint antennas or wired ones for placement outside the electrical panel.

Thanks to increased power, this device reduces the total number of nodes in the network.

| COD E | P R O T E C T I O N R A N G E | O P E R A T I V E T E M P E R A T U R E | S T O R A G E T E M P E R A T U R E | R E L A T I V E H U M I D I T Y | D I M E N S I O N S | M O U N T I N G | R E Q U I R E D D I N M O D U L E S | E L E C T R I C B O A R D T Y P E | M A T E R I A L | S U P P L Y V O L T A G E | C O N S U M P T I O N | C O N N E C T O R S T Y P E S | S U P P O R T E D P R O T O C O L S | R A D I O F R E Q U E N C Y | O U T P U T P O W E R | S E N S I T I V I T Y | A N T E N N A T Y P E | M A X I M I S T A N C E (F R E E A I R) | R A D I O S I G N A L I N D I C A T O R | O U T P U T P O W E R A D J U S T M E N T | F I R M W A R E U P G R A D E |
|-------------|-------------------------------|---|-------------------------------------|---|-----------------------|---------------------|--|---|---|---------------------------|--|-------------------------------|-------------------------------------|-----------------------------|---|-----------------------|---|---|---|---|-------------------------------|
| KET-RMB-210 | IP 50 | - 20 ÷ + 60 ° C | 53, 5 x 110 x 61 mm (W x H x D) | W a l l m o u n t i n g o r o n D I N r a i l w i t h s u p p l i e | 3 D I N m o d u l e s | I n d u s t r i a l | B l e n d P C / A B S s e l e x t i n g u i s h i n g U L 94 - V O | 12 ÷ 24 VDC , 12 ÷ 20 VAC ; 230 VAC w i t h i n t e g r | < 1.5 W @ 12 ÷ 20 VAC / < 1.5 W @ 12 ÷ 24 VDC / < 1.5 | S c r e w t e r m i n a l | X - M o n i t o r p r o t o c o l (X - M P) / I E E E 802.15 | 2.4 GHz I S M B a n d | + 3 ÷ + 20 dBm | - 104 dBm | R P S M A c c o n n e c t o r , 90° a n t e n n a s u p p l i e d | O v e r 1000 m | I n t e g r a t e d (L i n k Q u a l i t y) | F r o m l o c a l k e y b o a r d a n d r e m o t e l y | V i a r a d i o | | |

