

OPERATING AND USERS MANUAL CRS100 W.E.E.R.

Technical characteristics :

1. Power supply: low tension through data transmission connected to master interface Crs120
2. Turn on and off: remote through PWR switch situated on the master interface Crs120.
3. Maximum distance between Crs100 and the Personal Computer: 800mt without signal repeater
4. System Connection to Crs120: with IP65 connector of the data transmission cable
5. LED warning lights:
 - PWR ON: state of the system, if it is green the Crs100 is on
 - RX BUSY: occupation of the radio channel, if it is red it indicates that the channel is busy or that there's a transponder detected on the loop
 - START OK: presence of interference, if it is red it indicates interference in the system or that there's a transponder detected on the loop
 - FRAME OK: transponder decoded, if it is red it indicates that a Weer transponder has been detected and decoded.
6. Length of the Detection Loop : maximum 20mt
7. Timing resolution: 0,001 seconds
8. Watch/calendar: integrated (with back-up battery)
9. Memory: Integrated Eeprom
10. Operating temperature : -15/+65 °C
11. Weight: about 300 grams
12. Protection degree: IP68
13. Measures : 100 mm x 55 mm x 30mm
14. Certifications: CE, FCC, RTTE
15. Special functions:
 - Input for two photocells,
 - Integrated temperature sensor,
 - Presetting for optional external sensor,
 - connector for optional rechargeable battery ,
 - connector for firmware update

Installation:

1. ensure that the system is turned off (Crs120 switch PWR set to OFF),
2. connect the Crs100 to the data transmission cable through the circular connector IP65,
3. turn the system on (Crs120 switch PWR set to ON),
4. ensure that the green light PWR ON of the Crs100 is on,
5. bring a transponder near the Crs100 and ensure that the red light FRAME OK is on,
6. connect the detection loop to Crs100,
7. ensure that no red light of the Crs100 is turned on
8. ensure that a transponder located at a suitable height on the detection loop, turns on the red light FRAME OK and, when expected, do the procedure for setting and calibrating the system.
9. screw drive well the circular connectors and seal it with auto agglomerate tape first, then with adhesive tape,
10. join well the detection loop and then join well the detection loop seal it with auto agglomerate tape first, then with adhesive tape,

NOTES: the detection loop is sensitive to interference that can sometimes be generated by power cables: a proper installation plans to stay at least 3mt from these cables. It is also advisable to avoid placing the detection loop near or above a metal or carbon.
Avoid passing power cables close to the data transmission cable.

Setting:

It could be necessary to do the setting for the calibration of the sensitivity of CRS100 depending on the type of sport practiced or the reader purchased:

1. turn the trimmer GAIN with a small flat screwdriver clockwise or counter clockwise until the desired decoding height is achieved.
2. if you want to further increase the sensitivity : remove the cover by unscrewing the four screws on Crs100, move the switch to ON.

NOTE: For an optimal functioning of the system do not exceed with the sensitivity, increased sensitivity also means greater susceptibility and consequently greater predisposition to interference that may be harmful to the operation itself

FCC ID : WYGCRS100-120

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
Any changes or modification not expressly approved by Weer could void the user's authority to operate the device.