Accessory device

IBR5M iButton Reader

1-Wire reader for DS1990A iButton keys: ultra-thin (25 × 35 mm), with 3M tape on the base, 5 m cable and Molex Micro-Fit 3.0 connector.

For Spider IoT and Smart IoT.

Ultra-thin iButton key reader to identify the driver



Main Features

✅ **Identifies the driver**: Reads DS1990A iButton keys over 1-Wire, one per driver.

✅ **Ultra-thin**: Socket made of two sandwiched PCBs, 25 × 35 mm.

✅ **Sticks on, no drilling**: 3M 9448A double-sided tape on the base: no holes needed.

✅ **Cable and connector included**: 5 m cable and Molex Micro-Fit 3.0 connector.

The DS1990A iButton key

✅ DS1990A chip (Dallas/Maxim, now Analog Devices)

✅ Unique 64-bit number registered at the factory: family, 48-bit serial number and CRC

✅ Read-only (cannot be reprogrammed) and battery-free

✅ Supplied with a key fob

Applications

✅ **Fleets with several drivers**: Who drove each vehicle, for how long and how many km.

✅ **Access control**: Alert, buzzer or start blocking without an authorized key.

✅ **Shared vehicles**: Every driver change is logged.

Technical Specifications

- **Model:** IBR5M
- **Compatible keys:** iButton DS1990A
- **Dimensions:** 25 × 35 mm
- **Mounting:** 3M 9448A double-sided tape on the base
- **Cable:** UL2464 22 AWG, 2 conductors, 5 m
- **Connector:** 2×2 Molex Micro-Fit 3.0
- **Power supply:** Not required (GND and DATA only)

Wiring

- **Pin 1 (black):** GND
- **Pin 2 (yellow):** 1-Wire DATA
- **Pins 3 and 4:** Not connected

Configuration

- CXOW, QOW and ICL (up to 100 authorized keys), at docs.rinho.com.ar.

Compatibility

- Smart IoT: plugs into the accessory harness.
- Spider IoT: spliced onto the harness 1-Wire wires.
- Zero IoT has no 1-Wire bus.

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