

2016

DURA CONTROL SYSTEMS



## **RFID READER**

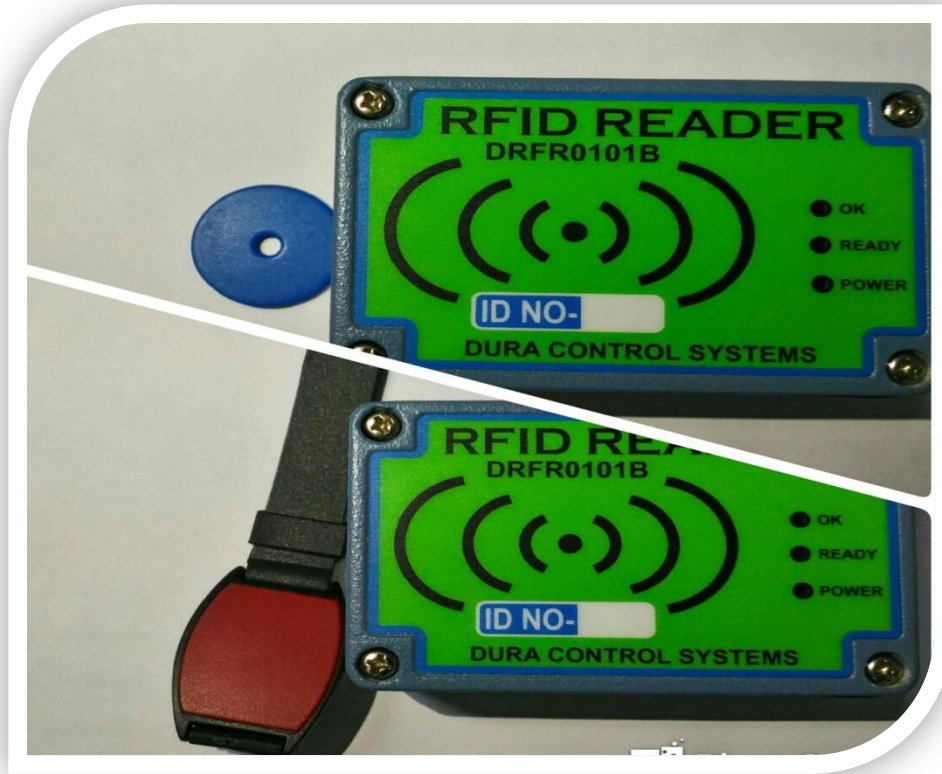
### **Introduction:**

Radio Frequency Identification (RFID) is a next generation of Auto Identification and Data Collision Technology which helps you automate business processes. This automation can provide timely information without any human intervention. Access to such information where you can individually identify each one of the tagged item uniquely, it helps in improving your processes and also to make informed decision. RFID reader is an auto identification technology which is used for track items with a tag on it which sends data to reader through radio waves. It supports multiprotocal high frequency in compact size with inbuilt antenna. Based on proprietary anti-collision algorithm it support fast ISO15693 tag detection and Read/Write Operation. Interface through RS232/RS485 Communication, baudrate can change at run time.

### **Key Features:**

- ❖ In-built Antenna.
- ❖ Near Field Communication (NFC).
- ❖ Low-cost method for reading Mifare cards and Tags.
- ❖ Serial interface output for identified tags.
- ❖ Multiple LEDs for READ and POWER.
- ❖ RFID Readers can also be fixed or portable.
- ❖ Operator Access.
- ❖ Material tracking.

**Note : Don't use this device in and around metal areas.**



### Reader Specification:

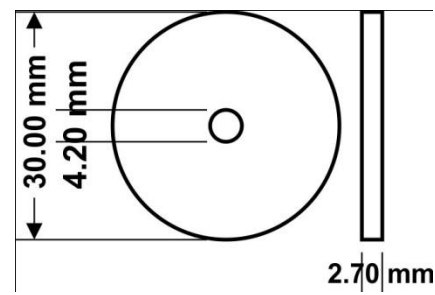
Operating Frequency	13.56MHz
Standard	ISO15693
Supported Tag/Card	Mifare
Antenna	Inbuilt
Max. Write/Read Distance	50mm
Communication	RS232/RS485
Supported Baudrate	2400,4800,9600,14400,19200, 38400,115200.
Power Supply	24VDC
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +60°C

**Industry Tags:**

Multi Read/Write capability is small in size with a centre hole and is made of ABS to meet all endurance requirements in the terms of heat, harsh environments and chemical resistance. Suitable for factory floor manufacturing applications.

**Tag Specification:**

Chip Type	I-Code SLIX
Standard	ISO15693
Operating Frequency	13.56MHz
Operating Mode	Passive
Storage Type	EEPROM
Memory Size	1024Bits
Data Retention	10Years
Number of Write Cycle	100000
Number of Read Cycle	Unlimited
Outer Dia.	30mm
Hole Dia.	4.2mm
Thickness	2.7mm
Material	ABS
Operating Temperature	-25° C to +85° C
Storage Temperature	-40° C to +85° C

**Tag Dimensions:**

**Reader Dimensions:**

