# Proximity Time & Attendance Access Controller

**IDTECK**

UL CE FC

**505R**

## Key Features

- Single Door Access Controller
- Dual function for Access Control and Time & Attendance
- Dynamic control of memory up to 10,000 Card holders / 7,000 Events
- Built-in 4″(10cm) RF reader
- Standalone / Network communication via RS232/RS422 (max. 32ch)
- RF only, RF+Password (4 digit) operation modes
- Independent 4 inputs and 4 outputs including 2 output relays
- Self-diagnostic function
- External reader port for Anti-pass back operation (RF10/20, RFK101)
- Dual Tamper switches
- 10 Time Schedules and 10 Holiday Schedules
- Back lighting on keypad

## General

STAR505R is an intelligent Single Door Access Controller based on powerful dual 8 bit Microprocessors to meet a simple and cost-effective access control market requirement.

It is designed for low cost but high security as well as convenience and reliability.

User friendly device allows you to manage the memory up to 10,000 card holders and 7,000 event buffers.

Built-in 10 cm RF reader and PIN pad gives you various operating modes such as RF only, RF + Password (4 digit).

STAR505R has an additional RF reader port for Single door Anti-pass back technology.

Independent 4 Input ports can detect exit button, door status, PIR sensor, Fire sensor and you can program related output sources and activate timing from the front keypads.

It is possible to use as standalone or network communication via RS232/RS422

All control setting values such as ID numbers, Inputs/Outputs, Real time clock and Time schedule can be Download/Upload from/to the host computer and all event transaction reports to the Host.

The modern design and easy installation will provide you an accurate access control for single door and 3 LED indicators informs you all system operating status at real time.

STAR505R will give you field proven reliability and cost-effective solution anywhere the access controls and high security is required.
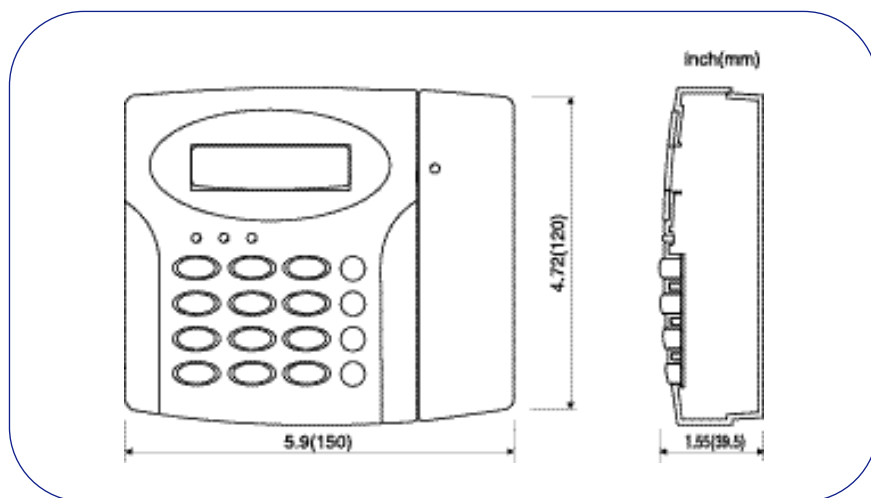
# 505R

## Specifications

| CPU | Dual 8bit microprocessors |
|---|---|
| Memory | Program memory : 64KB ROM |
| | Data memory : 128KB RAM (Battery backup) |
| Read Range IDK50 | 2 inch (5cm) |
| IDC170 | 4 inch (10cm) |
| IDC80 | 4 inch (10cm) |
| Reading Time | 30ms |
| Card holders / Event buffers | Dynamic control of memory up to 10,000 Card holders / 7,000 Event buffers |
| Reader Ports / Data format | Built-in 4″(10cm) RF reader / 26bit Wiegand format |
| | External reader port / 26bit Wiegand format for Anti-pass back |
| Inputs / Output ports | Isolation Inputs : 4 ea |
| | Outputs : 2 ea(COM, NO, NC), FORM-C Relays (rating 2A max.) |
| | TTL outputs : 2 ea |
| Communications | RS232 / RS422 ports, address selectable up to 32ch |
| | Baud rate : 4800 bps, 9600 bps (Default), 19200 bps, 38400 bps, Software programmable |
| LCD Display | 1 x LCD module, 2lines x 16ch, 65.6 x 13.8mm view area |
| Keypads | 16 numeric keypad with back lighting |
| Anti-pass back | Yes |
| Self Diagnostic | Yes |
| LED indicators | 3 LEDs (Red, Green, Yellow) |
| Power | DC 12V, max. 350mA |
| Operating Environment | -35°C ~ +65°C, 10% ~ 90% humidity |
| Reset | Watch-dog timer & power on reset |
| Color | Dark pearl gray |
| Weight | 397g (0.88 lbs) |

## Dimensions



inch(mm)

4.72(120)
5.9(150)
1.55(39.5)

*Proximity Time & Attendance / Access Controller*

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