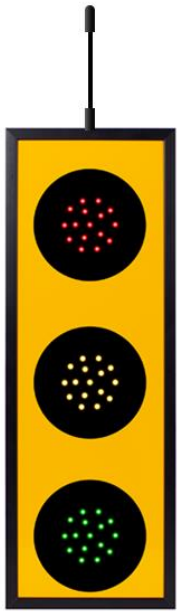
D3503
Wireless Stop Light
INSTALLATION and SPECIFICATION GUIDE



Microframe Corporation
604 South 12th Street
Broken Arrow, OK 74012

Manual No. D3503-7010
Revision Date: 10/2018
Control: 1.0

Local: 918-258-4839
Toll Free: 800-635-3811
Website: **www.microframecorp.com**
E-mail: **support@microframecorp.com**

Limited Warranty Agreement
Your Microframe System is warranted against failure due to defects in workmanship or material for a period of one (1) year from the date of purchase. Microframe Corporation will repair or replace any defective unit. Obvious abuse or mishandling of the unit is NOT covered by this warranty.

Merchandise Return
If your Unit does not work satisfactorily, please give us a call. We may be able to clear up the problem by phone. If it becomes necessary to return your Unit to the factory, please observe the following:
1. Call Microframe for an RMA number. This will authorize you to return the unit.
2. Place Unit in a sturdy box with sufficient packing material.
3. If requested, include the AC power adapter. It is not necessary to return the cable and connectors unless they are the problem.
4. Return the system insured and prepaid. Microframe is not responsible for shipping damages and losses on returned Units.

Warranty Service
For warranty service, please contact Microframe toll-free at 800-635-3811. One of our technicians will be glad to assist you.

Assistance
For any product assistance or maintenance help, contact Microframe by either calling 800-635-3811 or e-mailing us at: support@microframecorp.com.

Safety
Do not install substitute parts or perform any modification to the product without first contacting Microframe.

Disclaimer
We constantly strive to improve our products. Specifications are subject to change without notice.

Warning
All power adapters, line cords, and electrical equipment should be kept out of the reach of children and away from water. (If you are installing cable in an air plenum area, such as a drop ceiling used for air return, you must use plenum-rated cable. The cable supplied from Microframe is rated CL2 and is approved for indoor installation everywhere except plenum areas.)

Life Support Policy
Microframe's products are not authorized for use as components in life support devices or systems without the express written approval of the President of Microframe Corporation. As used herein:
1. Life support devices or systems are defined as systems which support or sustain life, and whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury to the user or any one depending on the system.
2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

FCC Notice (for wireless products only)
Note: 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

1.1 Overview

The D3503 is a simple wireless stoplight. It is controlled by our Multipage transmitter, or an equivalent POCSAG transmitter. The unit's primary operation is to show red, yellow, or green to the user.

2.1 Installation / Operation / Options

Installation

This unit is designed with a keyhole in the back to hang on a wall like a picture frame. To use the device, simply screw the 24-volt AC power adapter wires into the back of the device and then plug the adapter into an outlet, hang the device on a nail and you are done.

Operation

The stoplight is factory programmed to work with our Multipage transmitter as Pager #400. To control the stoplight, send a pager to the Pager number with a message as detailed in the table below. The first digit of the message is the action, and the second digit is the blink rate (specify 0 for no blink).

Digit 1 Message	Digit 2 Flash Rate	Description
0	0-9	Turn Off Lights
1	0-9	Green Light
2	0-9	Yellow Light
3	0-9	Red Light
4	0-9	Alternate Yellow-Green
5	0-9	Alternate Red-Yellow
6	0-9	Alternate Red-Green
7	0-9	Rotate Red-Yellow-Green
8	0-9	Rotate Green-Yellow-Red

Example to show a red light: 400 [Send], "30" [Send].

Options

Command Channel

The pager id where the stoplight responds. The default options are: baseid 500000, pager 400, baud 1200. To program a new channel, press the button on the back of the display twice. You will see a yellow light. Page the new pager number you want with a beep type of 2 and a message of "7337". You should see a green light to acknowledge the change. If you are using the Multipage transmitter, we recommend changing the "Informant ID" option to match your new pager number.

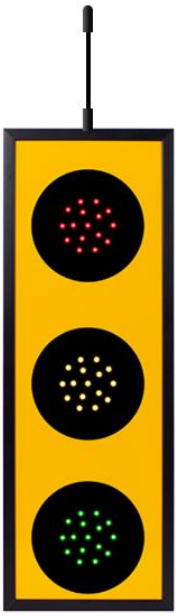
Factory Reset

Press and hold the button on the back of the display for about 8 seconds to reset to factory defaults.

Model 3503 Specifications
Wireless Stoplight

Features

Series 3503 are Stoplights controlled by our Multipage transmitter. The devices can display individual lights or several light patterns.



Box Contents

(1) D3503 Stoplight with external antenna
(1) 24VAC power adapter w/ 20ft of wire
(1) Manual, (1) Microframe Screwdriver

Model 3503 Specifications	
Power……	14-28 VAC or 16-30VDC
Viewing Distance……	Up to 200 feet
Temperature Parameters……	-20ºC to 40ºC (-4ºF to 158ºF)
Casing……	Aluminum extrusion, black
Color……	Gray acrylic faceplate with yellow decal
Environment……	Indoor use
Receiver Frequency……	457.575Mhz
Case dimensions L/W/T	18in x 6.3in x 1.5in
Power Requirements	5.9 watts @ 24VAC
Device Weight, w/o adapter	3.2 lbs. (1.5 kg)