

# FBXWCCS03: 1 remote 2 staff, wireless calling system

## Technical specification



Parameters	Specifications
Model	FBXTLC01 Traffic lights RED + AMBER + GREEN Traffic light controller with receiver radio
Enclosure type	IP 65 (color black) Polycarbonate (traffic lights) IP 65 (color grey): for the receiver driver Controller enclosure metallic (optional)
Operating Voltage	12 VDC
Traffic lights	Colors: RED, Amber and Green in 1 set Receiver indicator, RED, AMBER and GREEN Power supply: GREEN Sync signal: BLUE
Dimensions	Size: 260 x 260 x 100 mm (without visor) Size: 260 x 260 x 280 mm (with visor) Controller size: : 250 x 90 x 45 mm Controller weight: 450 gms Controller antenna length: 1 meter
How the traffic light controller operates	The traffic light controller switches ON/OFF individual lights. 2 way to operate: 1) Low range remote controller: 100 meters range 2) Medium range remote: 250 meters range 3) Long range remote: 2-3 Kms range Blinking: default AMBER blinking ON signal => AMBER to GREEN (from any state) OFF signal from transmitter => AMBER to RED (from any state) Default signal from transmitter = blinking AMBER
Technical details	Operating voltage of the transmitter: 12VDC Operating temperature: 25 °C Operating frequency: 380-480MHz CRC on data payload: Enabled Packet Error Rate: PER (1%) Redundancy packet feature: Enabled fOsc = 32MHz Radio IC used CC1100 (from Texas Instruments) [Sub-GHz frequency]
Applications	<ul style="list-style-type: none"> <li>• Pedestrian road crossing. Security guard can control the traffic light by remote controller to assist pedestrian road crossing (control from around ~100 meters distance)</li> <li>• Vehicle crossing in shopping malls and residential complexes: Security guard can control the vehicle movement to parking area by switching the light controls (control from around ~250 meters distance)</li> <li>• Traffic light control at aerodrome from ATC tower to maneuver vehicle and aircraft movement (control from around ~2-3 Km distance)</li> </ul>

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