DS-TSC200-22H
Pole-installation Intelligent Traffic Signal Controller



- Modular design method，easy to install and maintain
- Using controllable silicon to control the signal light，keeping the device stable
- Equipped with independent yellow flash controller，enhancing the security
- Support online non-reboot upgrades without interrupting the running of the scheme

▪ Specification

Function	
Signal Control Board and Channel	2 output board(s), supporting 22 channel(s) and 8 group(s) signal lights (6 groups for vehicle + 2 groups for pedestrian)
Timing Strategy	Supports 64 phase(s), 255 pattern(s), 64 plan(s), 255 scheme(s) (Adjustable on demand)
Signal Control Mode	•Fixed Cycle: A preset time is given to each movement every cycle, Multiple phase/cycle parameters can be set in different time periods. •Full-Actuated: Real-time optimization of green light timing based on traffic data, such as lane flow, in all lanes at the intersection. •Semi-Actuated: Based on traffic data in certain lanes, such as flow, it provides real-time optimization of the green light duration for the main lanes and reduces the unnecessary green light duration for the secondary lanes. •Self-Adaptive: For congested intersection scenarios, calculate and optimize the cycle and phase durations based on historical traffic data of the all lanes to Improve the traffic efficiency. •Single-Point Optimization: According to historical and real-time traffic data, timing parameters are calculated in advance and adjusted in real time during running. •Coordinates Green wave: Consider the linkage of multiple intersections, set parameters such as phase difference, and ensure that vehicles in the main direction encounter green lights all the way. •Pedestrian Crossing: Adjust signal timing based on pedestrian in demand. •Special control: Light Disable, Yellow Flash and All red.
Manual Control	Auto,Manual,Step-to-step,Yellow flash,All red,Special directional control
Web Configuration	Supports web browser configuration, 3D-display of the real-time status of the intersection
Countdown Timer Access	Self-learning mode,Pulse countdown,Chinese standard 2004/2014 mode
Upgrade	Supports silent and restart upgrades
Network	
Web Browser	chrome V100+
Security	Password protection,Complicated password,802.1X authentication (EAP-PEAP, EAP-LEAP, EAP-MD5),Basic and digest authentication for HTTP/HTTPS,Security audit log
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet interface
RS-485	2 × RS-485 interface(s)
RS-232	1 × RS-232 interface(s)
USB	1 × USB 2.0
Wireless Controller (Optional)	5 buttons: Auto, manual, all red, yellow flash, and step-by-step control, or button customization
GPS (Optional)	Supports GPS satellite signal real-time timing
Light Control Board	2
General	
Power Output	AC 100 V to 240 V,50/60 Hz
Power Input	AC 100 V to 240 V,50/60 Hz
Insulation Resistance	≥ 100 MΩ

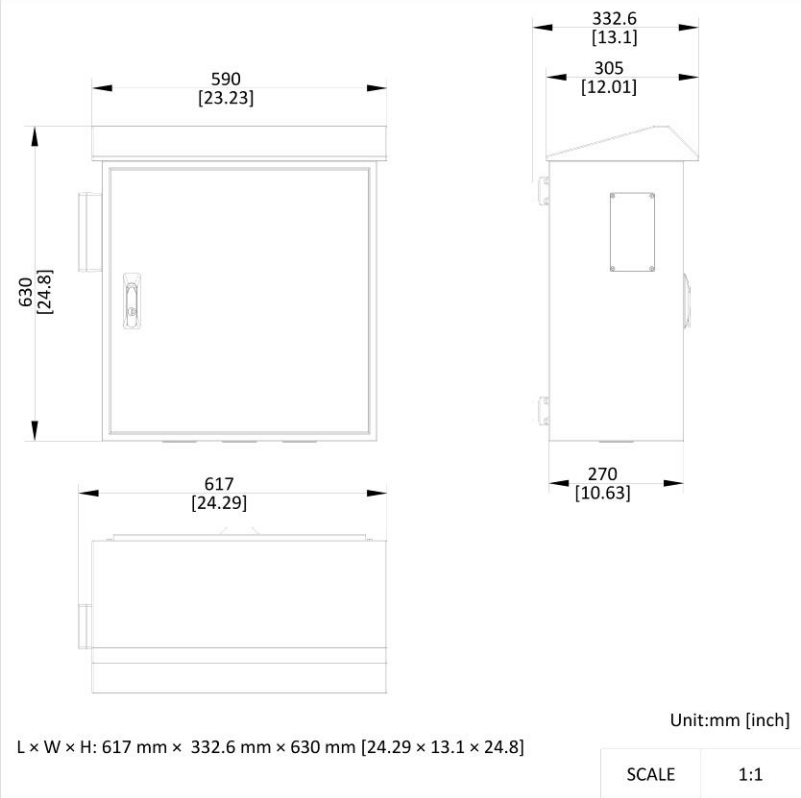
Overall Power Consumption	≤ 35 W (no load)
Signal Channel Max. Driving Power	≤ 200 W @ 110 V,≤ 400 W @ 220 V
Operating Condition	-40 °C to 70 °C (-40 °F to 158 °F). Humidity: 95% or less (non-condensing)
Storage Condition	-40 °C to 70 °C (-40 °F to 158 °F). Humidity: 95% or less (non-condensing)
Dimensions (Without Package)	617 mm × 332.6 mm × 630 mm (24.29" × 13.1" × 24.8") (L × W × H)
Dimensions (with Package)	722 mm × 422 mm × 748 mm (28.4" × 16.6" × 29.4") (L × W × H)
Cabinet Material	SGCC
Net Weight	Approx. 23.540 kg (51.90 lb.)
Gross Weight	Approx. 25.365 kg (55.91 lb.)
Installation Mode	Pole Installation

▪ Available Model

DS-TSC200-22H

DS-TSC200-22H main engine

▪ Dimension



▪ Accessory

▪ Optional

RX300-3-2010SS-1	FX300-3-3021SS-1	FX300-3-3022SS-1	FX300-3-3023SS-1	JD300-3-301SS-1

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