

SMART LOAD CONTROLLER

Cympla Water & Heating
Controller

Model CWH-01



CWH-01

INTENDED USE

Electronic controller designed to improve comfort and energy efficiency in heating and energy management systems by intelligently controlling electrical load operation. Fixed installation in the electrical heating circuit of a domestic hot water tank, residential or commercial. Provides **intelligent, energy-efficient heating control** based on measured water temperature, time schedules, and user preferences.

Not a safety device. Must be installed by a certified electrician in compliance with applicable local regulations.

ELECTRICAL

Power Input	220–240 VAC, 50 Hz
Power Output	220–240 VAC, pass-through Relay-switched to heating element
Max Load Current	30 A continuous
Max Load Power	≤ 7.2 kW Typical domestic element: 2–3 kW

CONNECTIVITY & INTERFACE

Wireless	Wi-Fi 802.11 b/g/n, 2.4 GHz
Sensor Interface	1× wired digital temp. sensor Included, 2–3 m cable
User Interface	Embedded web UI via Wi-Fi No internet connection required
Cloud	Optional — Cympla Cloud (app.cympla.com) Full remote operation via internet · No subscription

MECHANICAL & ENVIRONMENTAL

Enclosure	IP67
Dimensions	120 × 120 × 90 mm
Operating Temp.	–20 °C to +65 °C
Installation	Outdoor / rooftop By certified electrician · Retrofit avg. 30 min

PRODUCT IDENTIFICATION

Product Name	Cympla Water & Heating
Model	CWH-01
Series	CWH Series
Device Category	Smart Load Controller
Manufacturer	TeamVision Global Ltd

REGULATORY & COMPLIANCE

CE

2014/53/EU RED

2011/65/EC RoHS2

2012/19/EC WEEE

IP67

IEC 60730-1:2022

IEC 60730-2-9

Declared in conformity with EU Directives 2014/53/EU (RED), 2011/65/EC (RoHS2), and 2012/19/EC (WEEE). Declaration of Conformity issued 23 April 2026, Rev. v1.0. Specifications subject to change without notice.