

HVAC
CONTROLS & POWER

FLOOR HEATING ELECTRIC

FLOOR HEATING
HYDRONIC

OJ Winterline® Protected



ETOP-4770

- Easy installation
- Remote touch control
- High weather integrity
- High power out

Weather resistant smart controller for Snow & Ice melt with remote control option.

- Designed for easy installation and maintenance
- Simple operation. Magnet activated controls, no need to remove cover
- Low power consumption Operates only when moisture detected
- Compatible with the OJ Electronics outdoor sensors
- Remote control option available
- Up to 3x30 Amp load capacity 30 Amp per relay
- NEMA4x / IP66 rated enclosure for outdoor installation capability
- Withstands low temperatures

The right snow and ice protection for your driveway

The high power out for the ETOP ensures that all of your driveway will be protected e.g. more than 60ft (20m) in a 240V North American system or more than 55m (180ft) in a 3 phase 230V European system.

Easy Installation

The ETOP is designed for easy installation anywhere you want it. In your garage, in a shed or even outdoor. Mount the controller with four screws and then connect the cables. Define sensor used. Run the system test program. Be at ease. Quick setup and operation.

Weather resistant and weather based heating

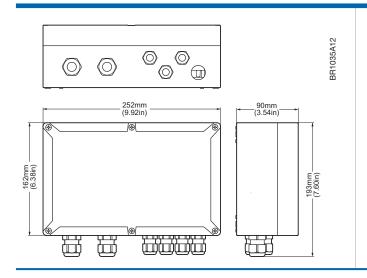
The OJ Winterline® Protected Controller (ETOP) is designed for outdoor and indoor installation maintaining integrity level NEMA4x / IP 66. The controller will withstand temperatures down to -50°C / -58F.

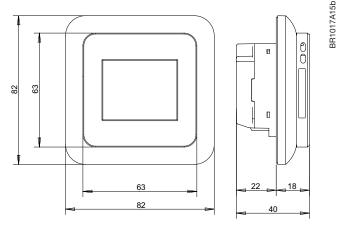
OJ's sensors ensure energy efficient operation by only triggering the ETOP system when moisture is detected.

Easy Operation

Simply swipe the ETOP with a magnet to see the status. Not what you need? Then just swipe again. No need to remove the cover, read long instructions or even check on the system every day.







Remote Control Capability

If you install the remote controller you will have the capability of viewing and changing system status from the comfort of indoors.

Cost and Energy Control

When you have turned on your system it stills helps you conserve energy and costs. No heating when the temperature is high or the weather is dry. Only heating when needed.

TECHNICAL DATA - ETOP

Supply	Single phase 120 VAC & 208/240, 3 phase 277/480 VAC,			
	120/240 VAC ±10%, 60 Hz 3 phase 230/400 VAC, 230 VAC ±10%, 50 Hz			
Load	30A _{RMS} Res	istive load for 1, 2 or 3 phased		
Power	3 x 3600 W using 3 x single phase @ 120 VAC, 3 x 30 Amp			
	1 x 6240 W using single phase two wires @ 208 VAC, 1 x 30 Amp			
	1 x 7200 W using single phase two wires @ 240 VAC, 1 x 30 Amp			
	1 x 8310 W using 3 phase @ 277 VAC, 1 x 30 Amp			
	1 x 14400 W using 3 phase @ 480 VAC, 1 x 30 Amp			
	3 x 6900 W using 3 x 1 phase @ 230 VAC, 3 x 30 Amp			
	3 x 12000 W using 3 phase @ 400 VAC, 3 x 30 Amp			
Wire size, termi	nals	0,75 – 10 mm², 20 AWG -4 AWG		
(Power in/out)		Fitting: 2 x M25		
Interface				
Sensor	OJ ETF-744/99 temperature sensor			
	OJ ETOR-55 gutter moist sensor			
	OJ ETOG 55 ground moist and temperature sensor			
	OJ ETOG 56 ground moist and temperature sensor			
	(A temperature sensor is embedded in the ETOP)			
		Fitting: 4 x M20		
Remote control	ler			
	ETOP-R	2" touch display		
Integrity				
	NEMA 4X			
	IP66			
Temperature				
	Load	-30°C to 30°C / -22F to 86F		
	Stand by	-50°C to 50°C / -58F to 122F		
	Storage	-50°C to 70°C / -58F to 158F		

TECHNICAL DATA - ETOP

Dimension (H(H)WD)	162mm(190mm)/252mm/89mm /
	6.4"(7.5")/9.9"/3.5"
After run/forced	2hours-17hours
Start temperature	5°C / 41F
Moist sensing	4 levels

Remote and overview

The remote unit ETOP-R gives you the user control features of the ETOP added to the outdoor temperature and system feedback.

TECHNICAL DATA - ETOP-R

Display	2" TFT color touch resistive		
Supply voltage from ETOP	28V DC ±10%		
Power consumption	<0.8 W		
Electrical connection	Max 1 mm², screw terminals		
QuickPlug™	Modbus 1 x RJ12 (6P6C) unit		
Ambient operating temperature 10/+40°C			
Enclosure	IP21		
Weight	65 g		

TECHNICAL DATA - ETOP-R-RB

ETOP-R delivered with mounting box			
ETOP-R front is with sharp corners			
Box size HxWxD 84x84x55 mm(3.3"x3.3"x2.1")			
Enclosure	IP21		
Weight	135 g		

Approvals:

EU: EN 60730-1:2011, EN 60730-2-9

US: UL 60730-1 5th. ed.,

UL 60730-2-9 4th. ed.

Canada: CAN/CSA E60730-1 5th. ed., CAN/CSA

E60730-2-9 3th. ed.

RoHS

UL E-file: E157297 CUL us LISTED (

