

The TECP Series Panel - Outdoor



The Tulsar Controls TECP Series Outdoor Panel is the innovative, efficient and safe way to manage the wastewater in your large building or facility.

Ideally suited for a heavy industrial, municipal, commercial or multi-residential setting, the TECP Series is a customizable control that boasts best-in-class diagnostic capabilities, remote alerts and automatic transfers, giving you peace of mind that if one pump fails your system will continue to operate while being serviced.

The automation options of the TECP Series can allow necessary staff, whether they are off-site or just in another part of the building, to be alerted

by telephone, text message or email of a problem. The precise level control of the TECP can be cataloged with an analog read out.

Featuring a vandal-proof NEMA 4 enclosure (NEMA 4X available as an option) and main disconnect, the TECP outdoor series boasts a safety hasp so that it can be secured with a padlock. A fully hinged inner door provides an extra layer of security and safety.

Meticulously hand assembled at the Tulsar Controls facility in Brant County Ont. and CSA-certified, the advanced technology includes a visual high water alarm globe with an LED flasher, hand-off-auto alarm test and acknowledge switches.

TECP Outdoor series control panels are available in either simplex or duplex configurations, covering voltage ranges from 115V 1-phase to 575V 3-phase anywhere from 1.6 amps to 25 amps.

Over 100 options are available, including various alarm and status options, pump monitoring, primary and secondary level control, and more!

EEMAC/NEMA ratings: 1 = indoor

4,4X = outdoor

Single Phase Control Panels			Three Phase Control Panels		
Voltage	Phase	Amperage Range	Voltage	Phase	Amperage Range
120	1	1 - 1.6	120/208	3	1 - 1.6
120	1	1.6 - 2.5	120/208	3	1.6 - 2.5
120	1	2.5 - 4	120/208	3	2.5 - 4
120	1	4 - 6.3	120/208	3	4 - 6.3
120	1	6 - 10	120/208	3	6 - 10
120	1	9 - 14	120/208	3	9 - 14
120	1	13 - 18	120/208	3	13 - 18
120	1	20 - 25	120/208	3	20 - 25
120/208	1	1 - 1.6	240	3	1 - 1.6
120/208	1	1.6 - 2.5	240	3	1.6 - 2.5
120/208	1	2.5 - 4	240	3	2.5 - 4
120/208	1	4 - 6.3	240	3	4 - 6.3
120/208	1	6 - 10	240	3	6 - 10
120/208	1	9 - 14	240	3	9 - 14
120/208	1	13 - 18	240	3	13 - 18
120/208	1	20 - 25	240	3	20 - 25
120/240	1	1 - 1.6	460	3	1 - 1.6
120/240	1	1.6 - 2.5	460	3	1.6 - 2.5
120/240	1	2.5 - 4	460	3	2.5 - 4
120/240	1	4 - 6.3	460	3	4 - 6.3
120/240	1	6 - 10	460	3	6 - 10
120/240	1	9 - 14	460	3	9 - 14
120/240	1	13 - 18	460	3	13 - 18
120/240	1	20 - 25	460	3	20 - 25
			575	3	1 - 1.6
			575	3	1.6 - 2.5
			575	3	2.5 - 4
			575	3	4 - 6.3
			575	3	6 - 10
			575	3	9 - 14
			575	3	13 - 18
			575	3	20 - 25

Option Code	Description
	Alarm and Status Options
1	Alarm Buzzer (NEMA 4)
2	Alarm Horn (NEMA 4)
3	Wet contacts for remote alarm
4	Extra dry contacts for remote alarm
5	Dry contacts for equipment status
6*	4 Channel landline autodialer with battery backup
7*	8 Channel cellular autodialer with built in battery backup
	Pump Monitoring Options (Per Pump)
11a	Pump seal leak alarm (Price is per pump) Single moisture probe circuit
11b	Pump seal leak alarm (Price is per pump) Dual moisture probe circuit
12	Pump heat sensor cutout, auto reset (Price is per pump)
13	Pump heat sensor cutout and alarm, (Price is per pump) (Transfer on duplex panels only)
14	Pump heat sensor lockout, transfer and alarm-manual reset (price is per pump) (Transfer on duplex panels only)
15	Pump overload fault lockout, transfer and alarm- manual reset (price is per pump) (Transfer on duplex panels only)
16	Pump undercurrent fault lockout and alarm- manual reset (Price is per pump) (Transfer on duplex panels only)
17**	EHSM (Electronic heat and seal monitor), (price is per pump) (includes ETM, CC, automatic transfer on faults)
18a*	Minicas (Price is per pump) -Free Issued
18b*	CA 462 (Price is per pump)-Free Issued
18c*	Pump Saver-(Price is per pump) -Free Issued
18d*	Specific Pump Monitoring Relay - Free Issued Pump Macromatic
19a*	Minicas (Price is per pump)
19b*	CA 462 (Price is per pump)
	Power Options
30a*	15 AMP GFI receptacle for 230/460/575V 3φ panels (neutral not available)
30b	5 AMP GFI receptacle for 230/460/575V 3φ panels (neutral not available)

- 30c 15 AMP GFI receptacle for 1φ and 120/208/3/60 panels (neutral is available)
- 31a 120V breaker for pit light/vent fan for 230/460/575V 3φ panels (no neutral)
- 31b 120V breaker for pit light/vent fan for 1φ and 120/208/3/60 panels (with neutral)
- 32 Control transformer c/w fusing for 1φ or 208/3/60
- 33a Lightning arrester complete with fusing for 1φ
- 33b Lightning arrester complete with fusing for 3φ
- 34 Voltage phase monitor with fusing
- 35 Two power sources with power transfer circuitry for control -2nd disconnect added
- 36 Power failure alarm and dry contacts
- 37* Dexon heater/blower option (Dexon status board free issued)
- 38* 30 or 60Amp Main Fused Disconnect Upgrade
- 38a* 100A Fused disconnect upgrade
- 38c* 60A Fused disconnect upgrade
- 38c* 30A Fused disconnect upgrade
- Level and Pressure Control Options**
- 60a* Intrinsically safe circuitry for 1 float
- 60b* Intrinsically safe circuitry for 2 floats
- 60c* Intrinsically safe circuitry for 3 floats
- 60d* Intrinsically safe circuitry for 4 floats
- 60e* Intrinsically safe circuitry for 5 floats
- 61a FBU Single float backup system
- 61b FBU Two float backup system
- 62 Pressure switches operation (pressure switches are in customer's scope)
- 63a -EBS pressure controller with in line 0-10VDC pressure transducer with 5 M cable
- 63b EBS pressure controller with in line 4-20mA pressure transducer with 5 M cable and analog card
- 64a ELM level controller with submersible pressure transducer with 10M cable and analog card
- 64b ELM level controller and analog card- Pressure transducer free issued
- 65* Intrinsically safe barrier for ELM
- 66 Dosing circuitry using dosing timer
- 67 EDM dosing controller
- 68 Low level alarm, auto reset pump and auto reset alarm
- 69 Low level alarm, auto reset pump and manual reset alarm
- 70 Float circuitry, manual reset alarm
- 71 Special float sequence (stop, start, high level, override)
- 72* Multi 200 dual-point 6 relays with XPS15 ultrasonic transducer with 30M cable & submergence shield
- 72a* Multi 100 6 relays with XPS15 Ultrasonic transducer with 10M cable
- 72b* Multi 100 6 relays with XPS15 Ultrasonic transducer with 30M cable
- 72c* Multi 200 6 relays, with HMI Display, with XPS15 Ultrasonic transducer with 30M cable, with Submergence shield
- Panel Options**
- 90 Non concurrent start timer
- 91 Elapsed time meter (non-resettable), price is per pump
- 92 Cycle counter (non-resettable), price is per pump
- 93 22mm operator and pilot lights (Price is per pilot light)
- 94 22mm Control power on pilot light
- 95a P1 - Automatic alteration - P2 circuitry using toggle switch
- 95b P1 - Automatic alteration - P2 circuitry using 22mm selector switch
- 96a Stainless steel enclosure 4X
- 96b Fiberglass enclosure 4X
- 96c Painted steel enclosure 4X
- 97* Hoffman heater/blower c/w adjustable thermostat, 200W, 120V AC
- 98 125W Strip heater and thermostat
- 99a* Capacitors and Relays (price is per pump) -free issued for indoor panels
- 99b* Capacitors and Relays (price is per pump) -free issued for outdoor panels
- 99c* Capacitors and Relays (price is per pump) -Supplied by Tulsar for Indoor Panels
- 99d* Capacitors and Relays (price is per pump) -Supplied by Tulsar for Indoor Panels
- C Capacitors & Relays per pump- free issued

*Note1: enclosure size may vary depending on the options selected

**Note2: ordering option 17 will include options 11,12,15,91, and 92