The TECP Series Panel - Indoor

The Tulsar Controls TECP Series Panel is the innovative and efficient 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 NEMA 1 enclosure, the TECP series boasts a main disconnect, dry contacts and IEC starters.

Meticulously hand assembled at the Tulsar Canada facility in Brant County, Ont. and CSA-certified, the advanced technology includes "finger safe" components, an audible high water alarm, hand-off-auto solid state alternator, alarm test and acknowledge switches.

TECP Indoor 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 arrestor complete with fusing for 1φ
33b	Lightning arrestor 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