

SARAPE 150lb. & 1 TON OPTIONAL CONTROL PANEL GAS CYLINDER HEATING BLANKETS



CYLINDER HEATING BLANKET CONTROL PANEL

The SARAPE control panel is designed for automatic blanket control as ambient temperature drops and rises. The control panel automatically turns the SARAPE blankets on as the ambient temperature drops below 60° degree (F) and turns the blankets off as ambient temperature rises above 75° degree (F).

The panel gives lighted indication of supply voltage power and blanket on status. The HOA selector switch allows hand (direct control), off (all blankets off), and automatic (ambient temperature control). The panel is NEMA 4X rated non-metallic FRP for outdoor service in corrosive areas. Panels are available for two, four or multiple cylinder applications. Other options include adjustable thermostat controls. Consult factory for option details.

CONTROL PANEL FUNCTIONS

H-O-A CONTROL SWITCH

HAND (DIRECT CALL FOR SERVICE)

OFF (ALL BLANKETS OFF)

AUTO (CONTROLLED BY AMBIENT TEMPERATURE SENSOR)

INDICATION LIGHTS

WHITE: AC POWER SUPPLY ON

RED: HEATING BLANKETS ON

AMBIENT TEMPERATURE SENSOR ON/OFF RANGE

BLANKETS ON: AMBIENT TEMPERATURE DROPS BELOW 60° F.

BLANKETS OFF: AMBIENT TEMPERATURE RISES ABOVE 75° F.

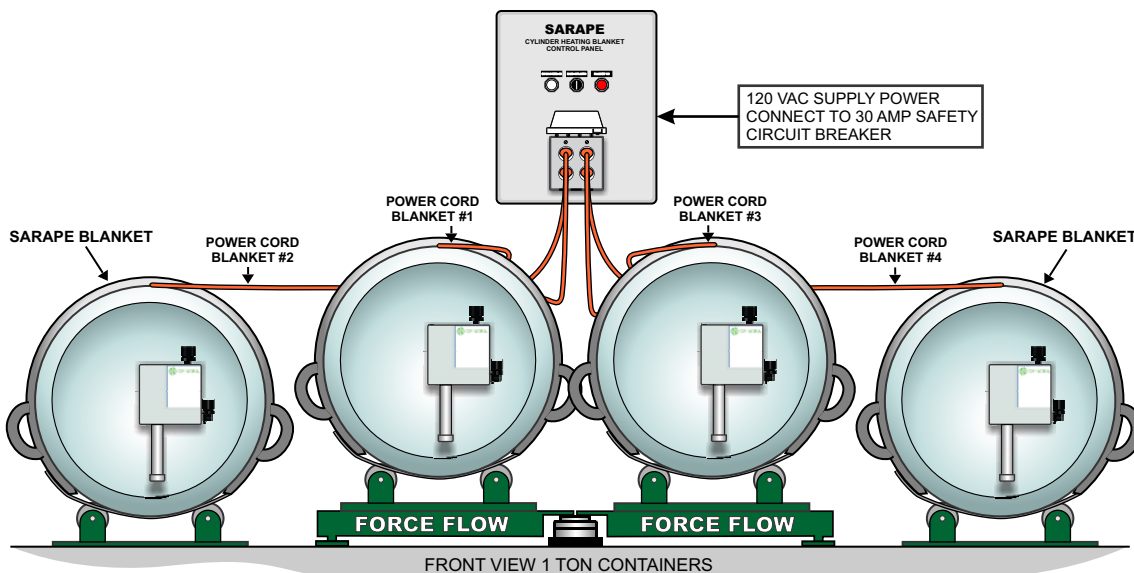
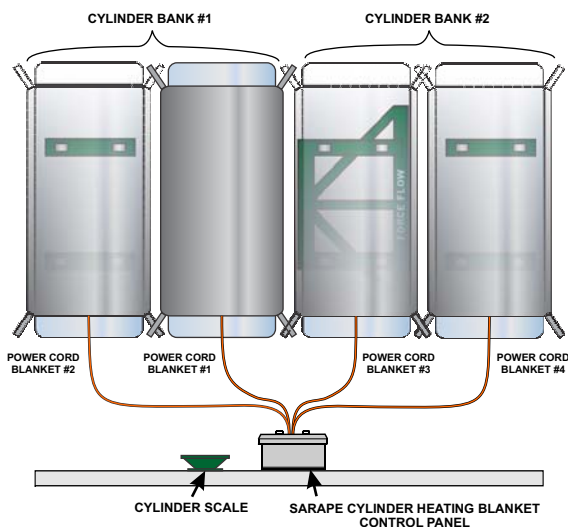
SENSOR LOCATED ON SIDE OF CONTROL PANEL.

DIRECT CYLINDER TEMPERATURE SENSOR ON/OFF RANGE

BLANKETS ON: CYLINDER TEMPERATURE DROPS BELOW 90° F.

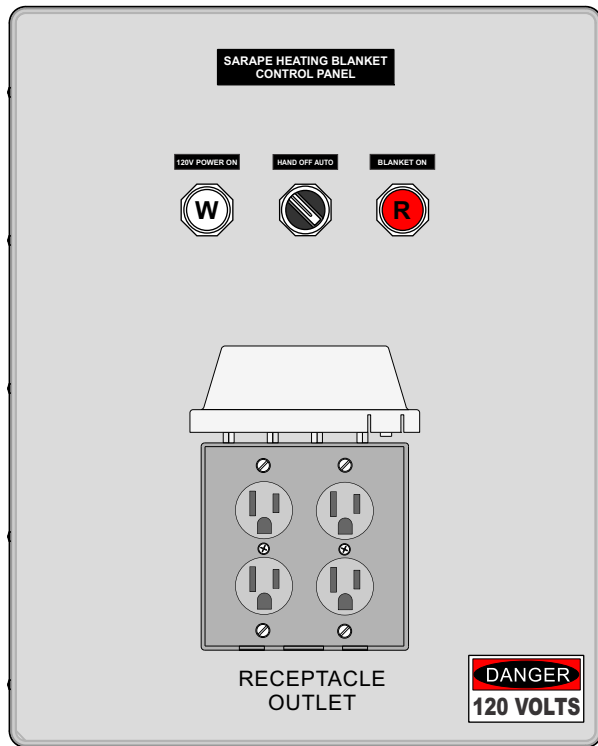
BLANKETS OFF: CYLINDER TEMPERATURE RISES ABOVE 105° F.

OPTIONAL BLANKET OVER HEAT OR FAULT INDICATION.

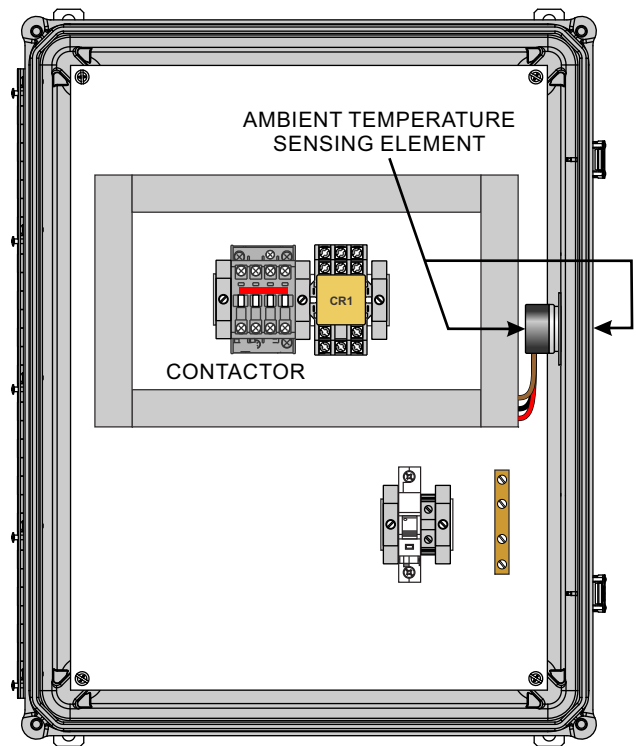


SARAPE (4) BLANKET CONTROL PANEL - FUNCTIONAL DESCRIPTION

PANEL OUTSIDE DETAIL



PANEL INSIDE DETAIL



OPERATION IN HAND POSITION

WITH 120V POWER TO PANEL, MAIN 30A CIRCUIT BREAKER ON, TURNING H-O-A SWITCH TO HAND POSITION PROVIDES 120 VOLT POWER TO RECEPTACLE OUTLET. WITH SARAPE BLANKETS PLUGGED INTO OUTLET, THE BLANKET HEATS THE CYLINDER.

*THE BLANKET SENSING ELEMENT TURNS OFF SHOULD THE CYLINDER TEMPERATURE EXCEED 105° DEGREES (F), AND TURNS BACK ON WHEN THE CYLINDER TEMPERATURE DROPS BELOW 90° DEGREES (F).

OPERATION IN OFF POSITION

TURNING H-O-A SWITCH TO OFF POSITION DE-ENERGIZES CONTACTOR AND TURNS OFF 120V POWER TO RECEPTACLE OUTLET.

OPERATION IN "AUTO" POSITION

THE PANEL (AMBIENT TEMPERATURE) SENSING ELEMENT PROVIDES 120 VOLT POWER TO RECEPTACLE OUTLET WHEN AMBIENT TEMPERATURE DROPS BELOW 60° DEGREES (F) AND TURNS OFF POWER TO RECEPTACLE OUTLET WHEN AMBIENT TEMPERATURE EXCEEDS 75° DEGREES (F).

*THE BLANKET SENSING ELEMENT TURNS OFF SHOULD THE CYLINDER TEMPERATURE EXCEED 105° DEGREES (F), AND TURNS BACK ON WHEN THE CYLINDER TEMPERATURE DROPS BELOW 90° DEGREES (F).

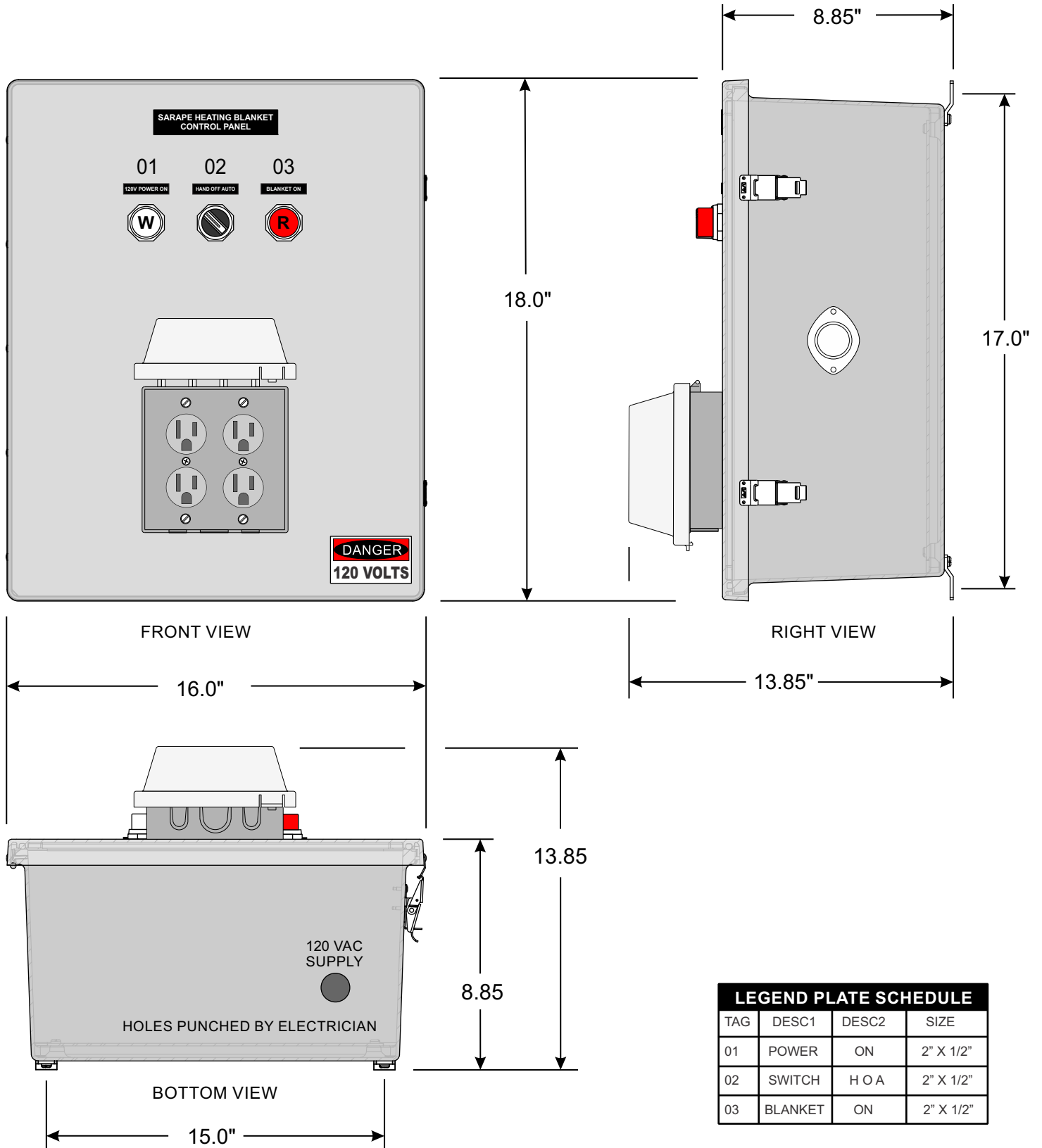
INDICATION LIGHTS

120 VOLT SUPPLY POWER ON
BLANKETS 120 VOLT POWER ON



DESCRIPTION: CONTROL PANEL FUNCTIONAL DESCRIPTION	
DATE: 2019	SHEET NO: 1
THE MASTRRR COMPANY WEBSTER, TEXAS (281-648-8703)	FILE NO: SARAPE-1

SARAPE CONTROL PANEL DIMENSIONS



LEGEND PLATE SCHEDULE			
TAG	DESC1	DESC2	SIZE
01	POWER	ON	2" X 1/2"
02	SWITCH	H O A	2" X 1/2"
03	BLANKET	ON	2" X 1/2"

SARAPE PANEL WEIGHT 20 LBS.



DESCRIPTION: SARAPE CONTROL PANEL DIMENSIONS	
DATE: 2019	SHEET NO: 2
THE MASTRRR COMPANY WEBSTER, TEXAS 281-648-8703	FILE NO: SARAPE-1