



IP SERIES DRYER WARRANTY CHECKLIST

THIS FORM MUST BE COMPLETED AND RETURNED TO PROTO-VEST, INC.
IN ORDER FOR THE WARRANTY TO BE VALID

Car Wash Name:

Date of Installation:

Street Address:

City, State, Zip:



Owner:

Phone:

Fax:

Email:

3 PHASE MOTOR CONNECTIONS

- Wire size (75°C rated) to 3 phase motors AWG# _____ (copper only)
- Split lug connectors used at motors connections. Yes No (circle one). (No wire nuts allowed per NEC Codes).
- Motor voltage 208 230 460 (circle one)
- What are the three voltage readings measured at the bottom terminal of the motor starter between phases 1&2, 1&3, 2&3 when the motor is on?
VOLTAGE _____ 30 hp
- What are the amperage readings from the motors? These three amperage readings (one per phase/leg) are to be taken with the motor running at full speed and Airgates open, if installed.
AMPERAGE _____ 30 hp
- What is the rotation of each motor when looking at motor cooling fan?
30 hp CCW  or CW  (circle one)
- Is each motor leveled and lagged down in six places (refer to installation manual)? Yes No (circle one)

CONTROL BOX ELECTRICAL CONNECTIONS

- Is there a 120 Volt line dedicated circuit to control box? Yes No (circle one)
- Are the dryer's 3 phase motors start/stop being controlled by the IP unit control box? Yes No (circle one) If the answer to this question is yes please proceed to next section.

If no to above question what brand controller is turning the motor on and off? _____.

If no VFD is used the look back feature to this should be set to keep the dryer's motors running as long as a vehicle is in the queue to prevent excessive motor starts/stops per hour with a maximum of 15 starts per hour. Has this been done? Yes No (circle one)

Controller interlock must be disabled on the IP series dryers 3 phase motors. Has this been done? Yes No (circle one)

Are the dryer's motors being controlled by VFD? Yes No (circle one)

Are the dryer's motors being controlled by Soft Starters? Yes No (circle one)

GROUNDING

1. **Ground wire must be secured to the 3" support leg from control box.**
2. Are motors & sensor cables grounded inside control box? Yes No (circle one)

VRS SYSTEM INSTALLATION

- Is the VRS sensor shield mounted "level" all directions/properly per installation instructions (refer to installation manual)? Yes No (circle one)
- Is remote retract function used on unit (refer to installation manual)? This is an optional connection. Yes No (circle one)
- Is the floor plate installed, secured and leveled correctly in both directions (refer to installation manual)? Yes No (circle one)
- Is distance from VRS to floor (refer to installation manual) =104"?
Yes No (circle one)

CONTROL SYSTEM OPERATION

- Prior to powering control system on, check all connections and terminals inside the electrical control box to ensure they are tight and secure. Yes No
- With no vehicles present, turn the unit on.
- Turn retract function to up position. Does bag retract? Yes No (circle one). Return bag to down position.
- No vehicle should be present under VRS during this test: Look at the 2nd board from the left (the sixth light from the top marked LED 19 of the board) is it lit in red steady? Yes No (circle one).

- **Test Vehicle 1.** Run a standard car. If the blower is controlled by the IP control box, the blowers should turn on as the vehicle approaches it. Does the overhead bag(s) follow vehicles surface without touching? Yes No (circle one)
- **Test vehicle 2.** Does the AirGate open before the vehicle has entered the dryer? Yes No (circle one)
- **Test vehicle 3.** Run standard pick-up with an open bed. Insure bed is empty of tools tires etc. Does the overhead bag(s) stay up and not enter into the pick-ups open bed? Yes No (circle one)
- **Test vehicle 4.** Run pick-up with tonneau cover on pick-up bed. Does the bag leave the top surface of the cab and descend smoothly down to dry the tonneau cover? Yes No (circle one)

Does the AirGate close after the vehicle is dried? Yes No (circle one)

Technician Information:

Name

Company

Phone/Contact

Installation technician signature

Owner signature

Date