T3RRA

2.4 | Tractor / Electrohydraulic Compatibility

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ⓘ **COMMAND** can make use of either in-built rear tractor electrohydraulic valves, commonly referred to as SCVs (Selectable Control Valves) or auxiliary remotes, or externally mounted electrohydraulic valves.

For each valve type, **COMMAND** is able to provide two raise and lower functions for automatic control of function 1 (e.g. height) and function 2 (e.g. cross-slope / tilt). For CANBUS based valve types, any available SCVs/Remotes will be available for selection.

For proportional solenoid, Analog Voltage (0-5V) and Danfoss PVE types, the number of selectable outputs is limited to the number of available physical outputs on the ECU suitable for analog voltage laser inputs or external EH valves.

Valve Interface	Description	Applicable Valve Adapter/s	Suitable example tractors/valves
JD CAN	**COMMAND** can communicate directly with John Deere SCVs over CANBUS, sending flow requests that will be enacted by the John Deere tractor hydraulic system.	N/A	Most modern John Deere tractors, e.g. 8R, 8RT, 9R, 9RT, 9RX.
J1939	**COMMAND** can communicate directly with the T3RRA VM or other compatible hydraulic controllers using the J1939 messaging standard.	N/A	Challenger tracked machines
Fendt SCR/S4/MT	**COMMAND** can communicate directly with Fendt SCVs over CANBUS, sending flow requests that will be enacted by the tractor hydraulic system.	Use **T3H-V005** and **S/111** valve adapters.	Fendt SCR, S4 and MT models where the SCV control bus is separated from the ISOBUS.
Fendt ONE	**COMMAND** can communicate directly with Fendt SCVs over CANBUS, sending flow requests that will be enacted by the tractor hydraulic system.	Use **T3H-V005** valve adapter.	Fendt Gen 7 / ONE tractor models
Analog Voltage (0-5V)	**COMMAND** can provide 0-5V analog voltage signals suitable for John Deere legacy proportional SCV controller or Case IH / New Holland 0-5V EHR controller inputs.	Use **T3H-V001** valve adapter.	Case 0-5V EHR inputs or John Deere legacy proportional laser inputs.
Proportional Solenoid	**COMMAND** can provide closed-loop PWM signals suitable for controlling external proportional solenoid valves requiring maximum flow current of less than 2 Amps.	Use **T3H-V002** and **T3H-V003** valve adapters.	Scraper systems using external proportional solenoid valves such as Eaton Vickers, Rexroth or Hydac.

Valve Interface	Description	Applicable Valve Adapter/s	Suitable example tractors/valves
Danfoss PVE	**COMMAND** can provide 0-Vs ratiometric voltage signals as well as power supply suitable for controlling external Danfoss PVEM, PVEA, PVEH and PVES valves.	Use **T3H-V002** and one of **T3H-V006** or **T3H-V007** valve adapters.	Scraper systems using external closed-loop proportional valves such as Danfoss PVEM, PVEA, PVEH or PVES.