



# CERUS INDUSTRIAL®

*Excellence in Motor Controls*

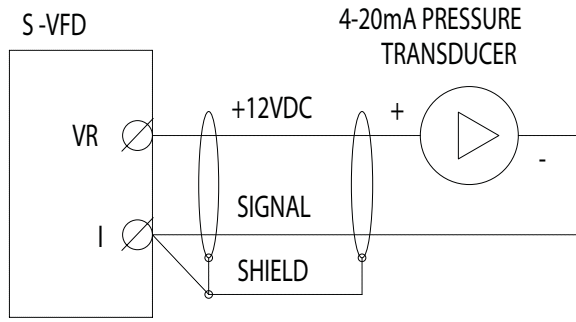
## S Series VFD Quick Start Guide

Program Group	Local control	Remote control	Local speed ref.	Remote speed ref.	PID control	Fan & Pump
<b>FU2-93</b>	If drive was used or you have some problems to run it reset all parameters to factory default settings.					All groups
<b>DRV-00</b>	Frequency Reference Display Set run speed Hz				Set PID set point. <b>Pset x 60Hz/Pmax</b>	OK
<b>FU1-03</b>	Run prevention. If your application does not require a reverse mode you can disable it.					Rev. Prevention
<b>DRV-04</b>	Frequency Reference Input	Keypad-1		<b>V1</b> for 0-10V <b>I</b> for 4-20mA	Keypad-1	OK
<b>FU1-23</b>	If you need a minimum speed limit change it to "YES"					Yes
<b>FU1-24</b>	If you need a minimum speed limit set the desired frequency in Fu1-34					20Hz
<b>FU1-50</b>	Electronic Thermal Protection ( for motor protection)					Yes
<b>FU1-58</b>	Overload trip delay time (set maximum possible for your application)					30 sec.
<b>FU1-59</b>	Stall prevention (current limiting parameter)					111
<b>FU2-20</b>	Power on start (VFD will start every time when it is powered if start contact is closed)					Yes
<b>FU2-21</b>	Restart after fault reset (VFD will restart automatically after fault reset if start contact is closed).					Yes
<b>FU2-22</b>	Speed search (VFD starts with spinning motor)					1110
<b>FU2-26</b>	Number of auto restarts					3
<b>FU2-27</b>	Delay before restart. (Set a max. possible time for your application).					60 sec.
<b>FU2-30</b>	Motor size in kW	<b>HP=kW/ 0.75</b> and <b>kW=HP x 0.75</b>				Motor kW
<b>FU2-31</b>	Number of motor poles <b>P= 7200/ motor rpm</b>					Poles
<b>FU2-33</b>	Put motor full load current from the motor name plate					Motor FLA
<b>FU2-37</b>	Inertia				For big load set 1	From 0 to 8
<b>FU2-47</b>	PID operation. If you use analog sensor.				Yes	OK
<b>FU2-51</b>	Feedback for PID control: select <b>V1</b> for 0-10V or <b>I</b> for 4-20mA. Signal from a pressure transducer. Internal VFD power supply provides 12VDC 50mA.					OK
<b>DRV-03</b>	Keypad	Fx/Rx-1	Drive control Start/Stop			OK

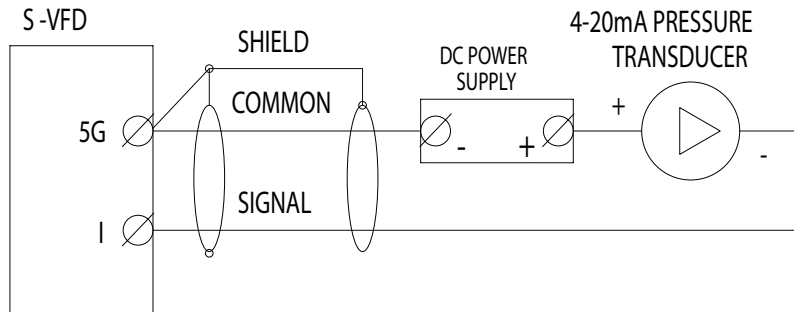
**Call 800-962-3787 or visit [cerusind.com](http://cerusind.com)**

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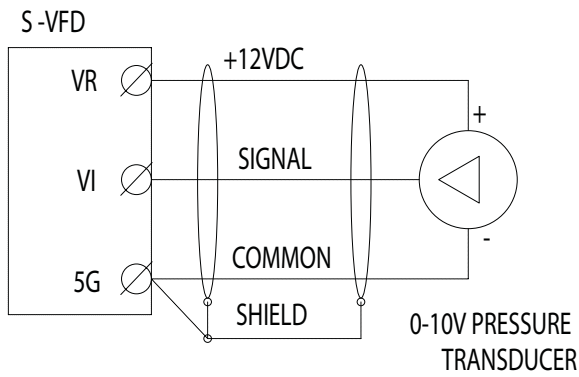
TWO-WIRE SENSOR 4-20mA WITH VFD DC POWER



TWO-WIRE SENSOR 4-20mA WITH EXTERNAL DC POWER



THREE-WIRE SENSOR 0-10V WITH VFD DC POWER



THREE-WIRE SENSOR 0-10V WITH EXTERNAL DC POWER

