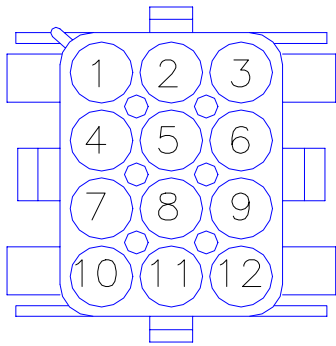


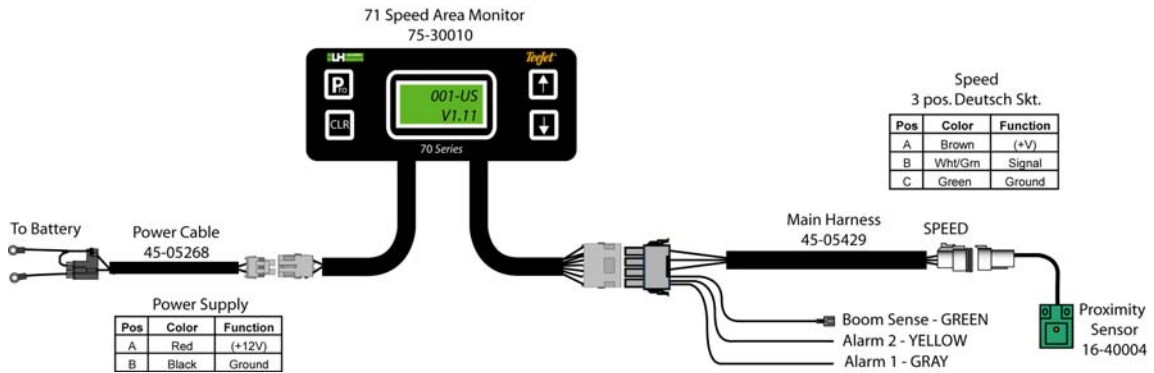
1. Connections table and Assembly



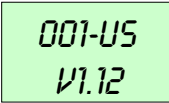

Contact	Color	Description
1		
2	Wht/Grn	SPEED signal
3	Green	Boom Sense input (+12v = work)
4		
5	Gray	ALARM 1 output
6		
7		
8		
9	Brown	+12v Speed Sensor
10	Green	GND for speed sensor
11	Yellow	ALARM 2 output
12		

View from cable (45-05429) side

Note: Boom Sense +12v supply **MUST** share the same ground as the console.



2. Functionality

Function	Key	Description
1. Power on	Pro	The unit will power on and show the Info screen. Software name and Version are displayed. 
2. Power off	↑ and ↓	The unit will power off
3. Selection of working screen	↑ or ↓	The first line on display shows Speed (MPH) Second line is user selectable (Distance, Area, or Total Area) Example:000 Shows Upper line Speed (MPH / KPH) and Lower line Distance (FT / M) 
4. Master On	Pro	The Pro key will act as the master switch and when pressed the console will begin to accumulate area and distance. NOTE 1: The master switch must be off to enter into setup NOTE 2: An external switch can be connected to the green boom sense wire to signal to the console to start accumulating.

3. Program			
Function	Display	Possible actions	Comments
1. Access Exit		Push Pro for 3 seconds Push Pro for 3 seconds	Master must be off
2. Width Setup	WIDTH SETUP	Pro to access Width setup ↑ ↓ to modify the width value	Master must be off
3. Speed Setup	SPEED SETUP	Pro to access Speed setup Manual Calibration ↑ ↓ to modify speed sensor cal # Auto Calibration CLR to access auto calibration Mark off a known distance of 300ft / 100m Pro to Start auto calibration Drive the 300ft / 100m course Pro to End auto calibration Pro to Save calibration #	Master must be off When using the Auto calibration procedure it is best to mark a course on a surface that best matches real-time operations. For the best results repeat the Auto calibration procedure 3 times and take an average. Each run should produce a similar cal #.

4. Alarms			
Function	Display	Possible actions	Comments
1. Alarm 1 Speed Distance Area	ALARM 1	Pro to access Alarm 1 ↑ ↓ to select alarm options (None, Distance, Speed, or Area) Pro to access Distance, Speed, or Area ↑ ↓ to adjust alarm value of Distance, Speed, or Area. CLR to clear alarm message during operation. CLR for 3 seconds to clear alarm value and reset Alarm.	NO audible alarm. Alarm 1 output (gray wire) is +12v when Alarm 1 is active. During real-time operation the alarm value must be exceeded for at least 3 consecutive seconds to activate alarm. Displayed Speed, Distance, or Area must be cleared or reduced below Alarm value to reset alarm.
2. Alarm 2 Speed Distance Area	ALARM 2	Pro to access Alarm 2 ↑ ↓ to select alarm options (None, Distance, Speed, or Area) Pro to access Distance, Speed, or Area. ↑ ↓ to adjust alarm value of Distance, Speed, or Area. CLR to clear alarm message during operation. CLR for 3 seconds to clear alarm value and reset Alarm.	Audible alarm. Alarm 2 output (yellow wire) is +12v when alarm 2 is active. During real-time operation the alarm value must be exceeded for at least 3 consecutive seconds to activate alarm. Displayed Speed, Distance, or Area must be cleared or reduced below Alarm value to disable alarm.