This Document is designed as an Easy Guide enabling electrode / cell and probe wiring transition from 7082 and 9782 analysers to UDA2182.

N.B. Use this page to hyperlink to respective page when in "slide show" mode.

GROWING TOGETHER

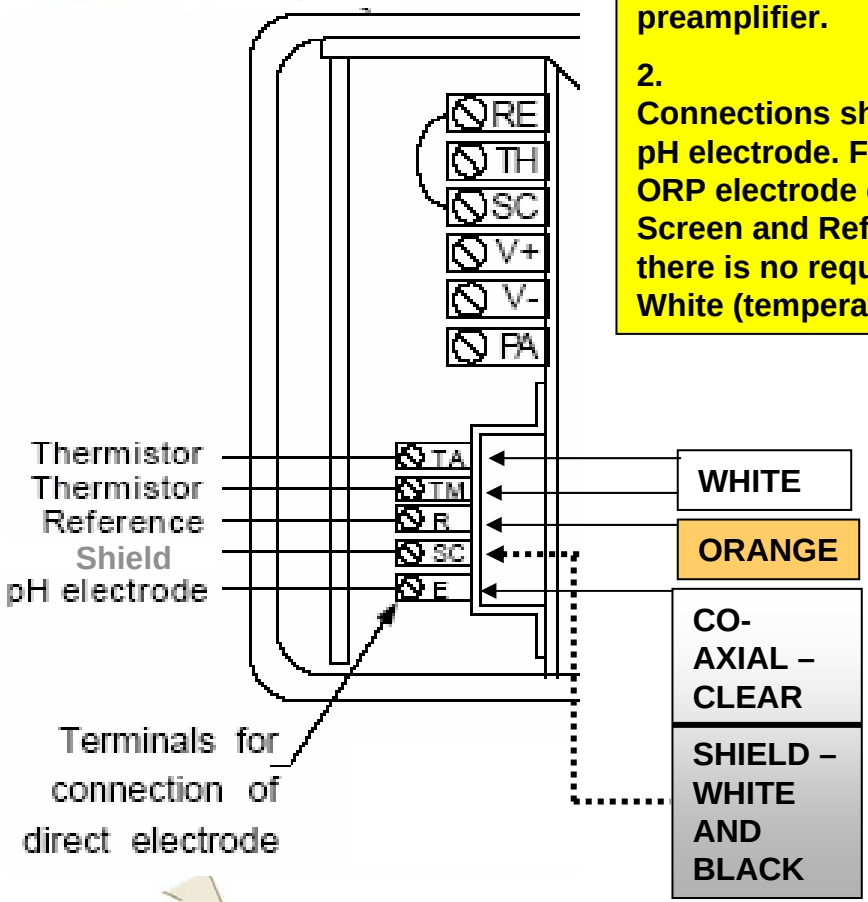
9782 / 7082

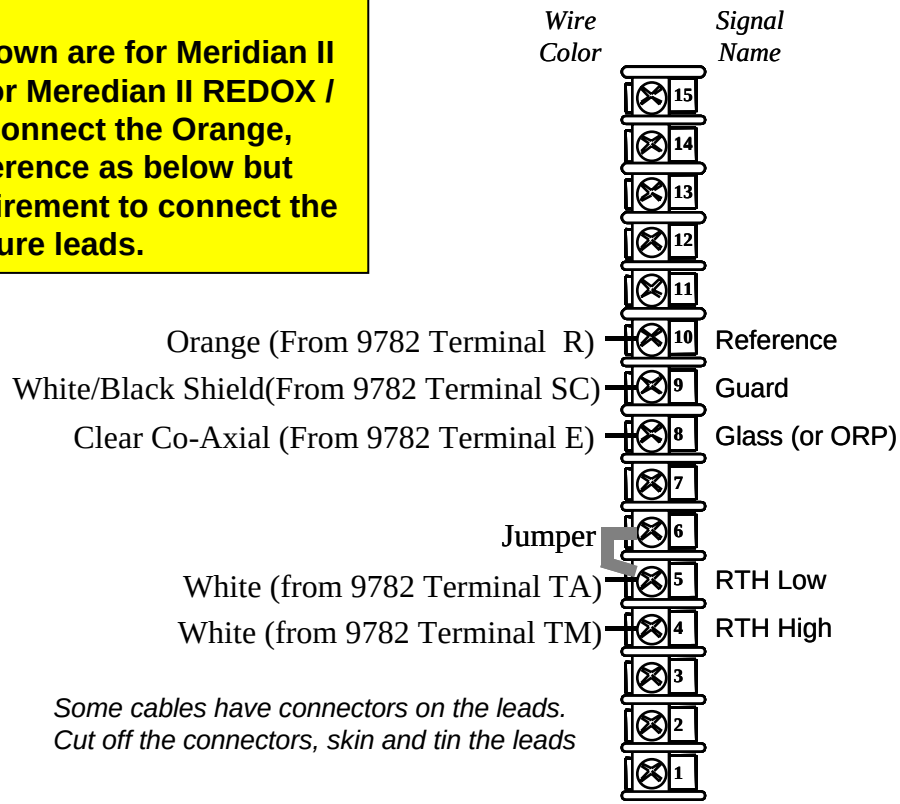
Honeywell – 7082 / 9782 pH ➔ UDA 2182 Meredian II Glass pH electrode Direct Input

UDA 2182

1.
UDA2182 has internal preamplifier. Will not accept input from external preamplifier.

2.
Connections shown are for Meridian II pH electrode. For Meredian II REDOX / ORP electrode connect the Orange, Screen and Reference as below but there is no requirement to connect the White (temperature leads.





Some cables have connectors on the leads. Cut off the connectors, skin and tin the leads

Some cables have connectors on the leads. Cut off the connectors, skin and tin the leads and then wire to the screw terminals on the boards

GROWING TOGETHER

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Honeywell – 7082 / 9782 pH ➔ UDA 2182
Meredian II Glass ORP Electrode Direct Input

9782 / 7082

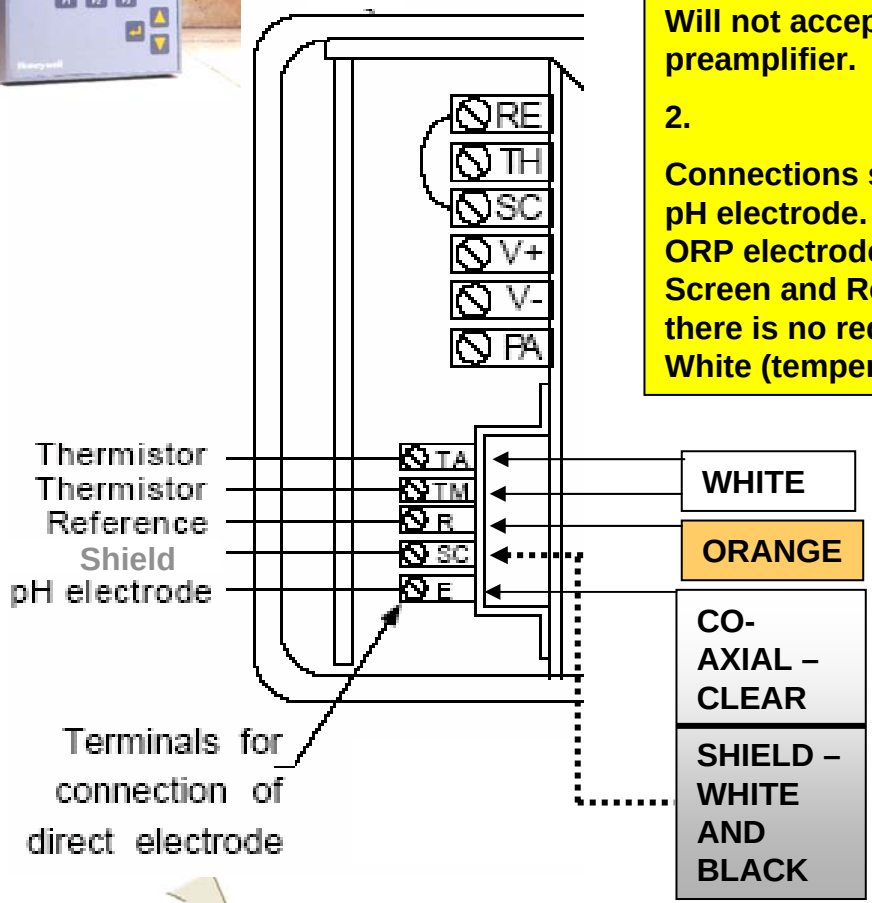
UDA 2182

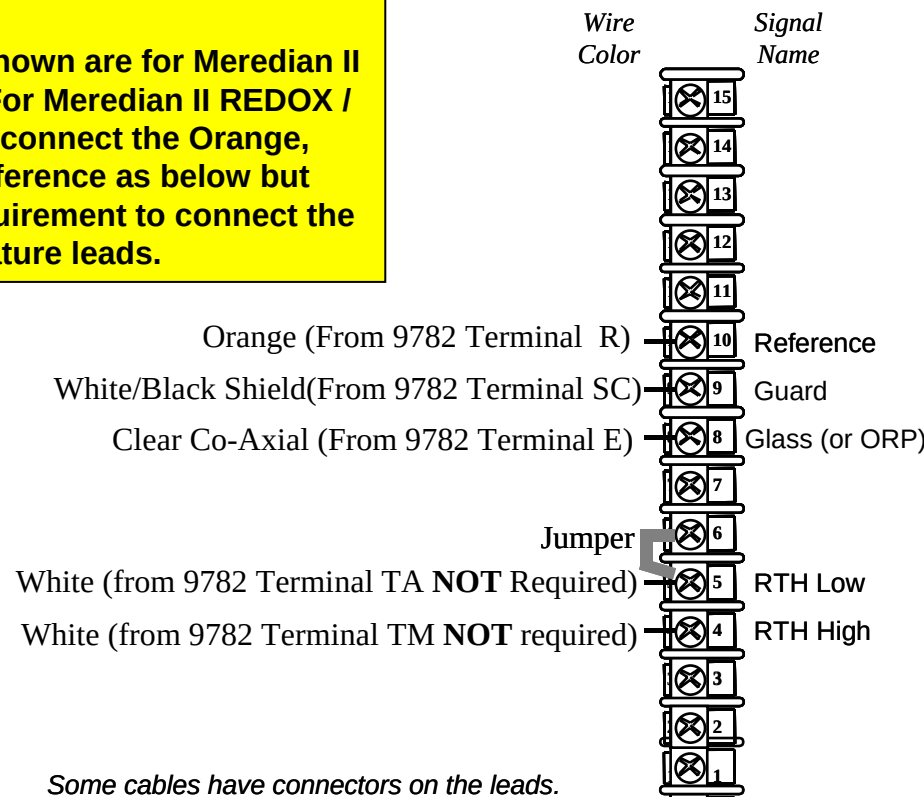
1.

UDA2182 has internal preamplifier. Will not accept input from external preamplifier.

2.

Connections shown are for Meredian II pH electrode. For Meredian II REDOX / ORP electrode connect the Orange, Screen and Reference as below but there is no requirement to connect the White (temperature leads.





Some cables have connectors on the leads. Cut off the connectors, skin and tin the leads and then wire to the screw terminals on the boards

GROWING TOGETHER

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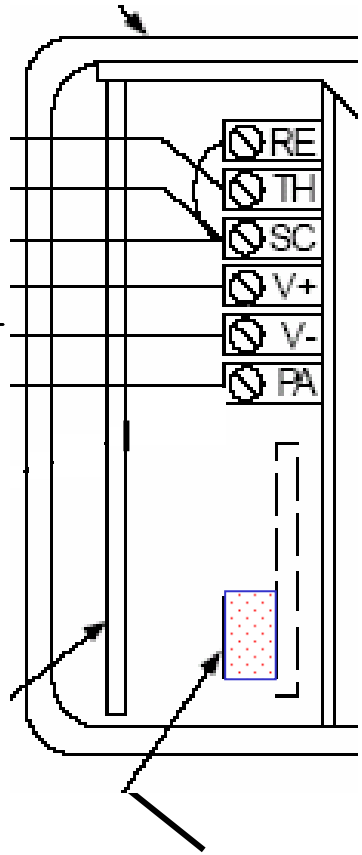
Honeywell – 7082/9782 pH ➔ UDA 2182 Durafet II Direct Input

9782 / 7082

UDA 2182

ONLY USED WHEN INPUT IS FROM DURAFET II WITH EXTERNAL PREAMPLIFIER PART NUMBER 31079288



Microprocessor Card

Cable Shield (Yellow) to UDA Chassis Ground Screw

Tinned and Skinned wires from Durafet II / III Cable

Remove pre-Wired Jumper at terminals 5 and 6

Wire Color		Signal Name
Green	15	R_{KO} res - (Low)
Green/Black Stripe	14	R_{KO} res - (High)
Blue	13	Drain
Orange	12	Source
Red	11	Substrate
Black	10	Reference
NOT USED	9	
NOT USED	8	
White/Black Stripe	7	Counter
Orange/Black Stripe	6	RTH 3rd Wire
Red/Black Stripe	5	RTH Low
White	4	RTH High
	3	
	2	
	1	

DURAFET II / DURAFET III CONNECTED DIRECTLY TO SOCKET ON CARD.

Some cables have connectors on the leads. Cut off the connectors, skin and tin the leads and then wire to the screw terminals on the boards

GROWING TOGETHER

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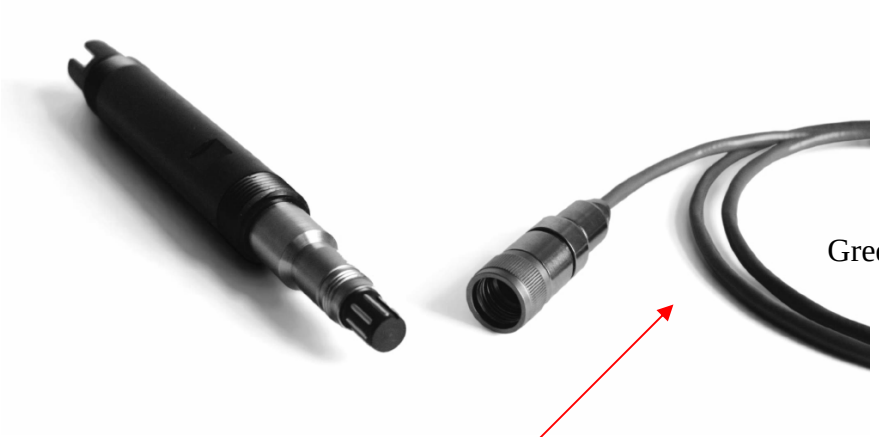
Honeywell – Durafet III Direct Input To UDA 2182

UDA 2182



Cable shield (yellow) to chassis ground screw

Remove pre-wired jumper at terminals 5 & 6

Wire Color	Signal Name
Green	R_{KO} res- (Low)
Green with Black stripe	R_{KO} res- (High)
Blue	Drain
Orange	Source
Red	Substrate
Black	Reference
White with Black stripe	Counter
Orange with Black stripe	RTH 3rd Wire
Red with Black stripe	RTH Low
White	RTH High
Black with White stripe	EEGND
Blue with Black stripe	EEDATA

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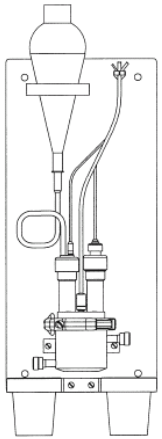
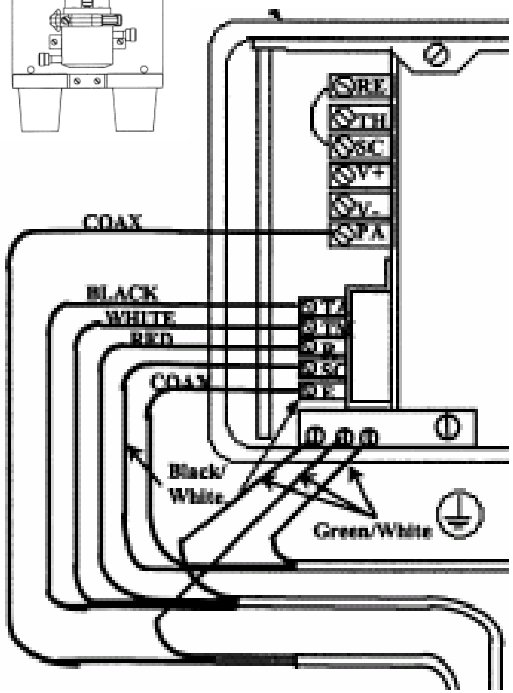
Honeywell – HPW 7000 High Purity Water pH 9782 ➔ UDA 2182

HPW 7000





Measurement cable shield (White with Green stripe) to chassis ground screw

Reference cable shield (White with Green stripe) to chassis ground screw

Thermistor cable shield (White with Green stripe) to chassis ground screw

UDA 2182

Wire Color		Signal Name
	15	
	14	
	13	
	12	
	11	
REFERENCE ELECTRODE CLEAR (**center conductor of coax**)	10	Reference
White with Black stripe	9	Guard
MEASUREMENT ELECTRODE CLEAR (**center conductor of coax**)	8	Glass (or ORP)
Red	7	Counter
Jumper	6	RTH 3rd Wire
Black	5	RTH Low
White	4	RTH High
	3	
	2	
	1	

GROWING TOGETHER

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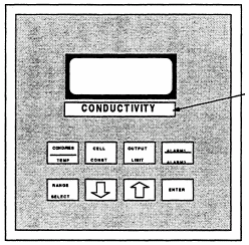
Honeywell – 7082 CONDUCTIVITY ➔ UDA 2182



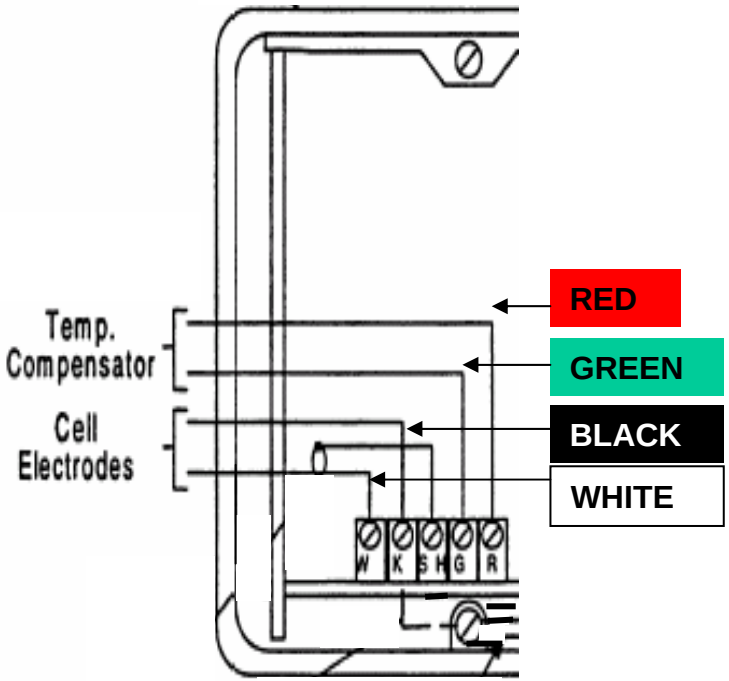
UDA 2182

063267

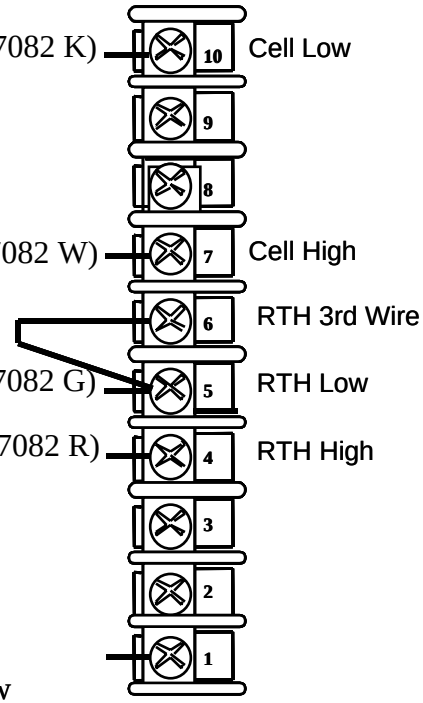
4 Wire Cond . 18AWG

(Has no shield)

Terminal Connections for standard "CC" Conductivity Cells 4973/4905 / 4908-9



Wire Color	*Signal name*
Black (From 7082 K)	Cell Low
White (From 7082 W)	Cell High
	RTH 3rd Wire
Green (from 7082 G)	RTH Low
Red (From 7082 R)	RTH High
Screen to chassis ground screw	



7082

GROWING TOGETHER

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Honeywell – 9782 2 Channel CONDUCTIVITY ➔ UDA 2182

9782 COND.

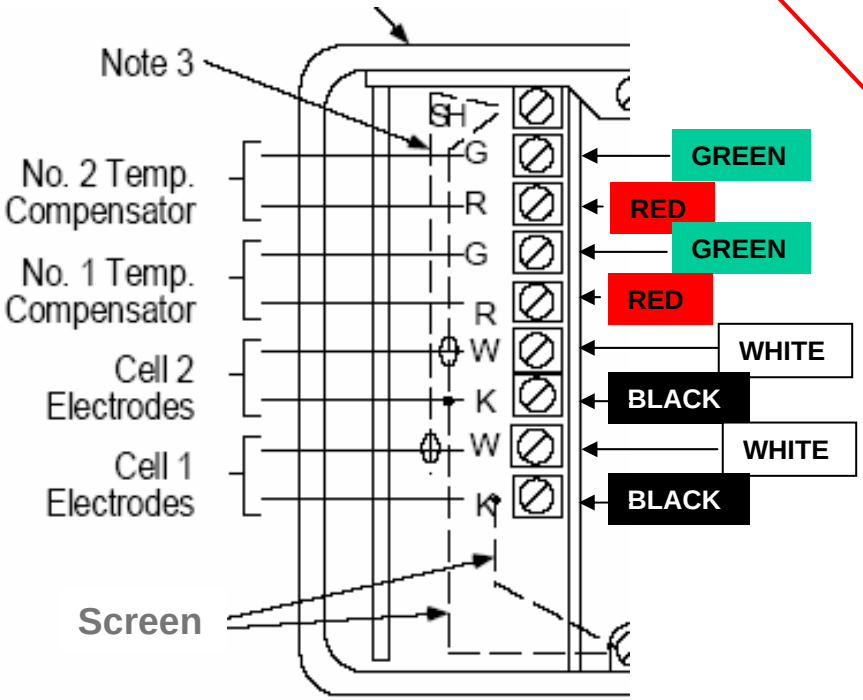
UDA 2182

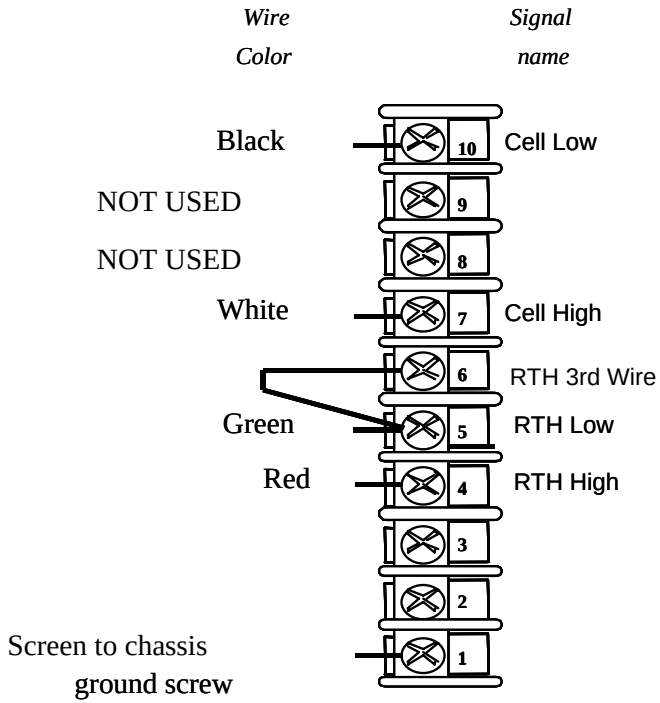
Terminal Connections for standard "CC" Conductivity cells 4973 / 4905 / 4908-9

063267

4 Wire Cond . 18AWG

(Has no shield)





Screen to chassis ground screw

GROWING TOGETHER

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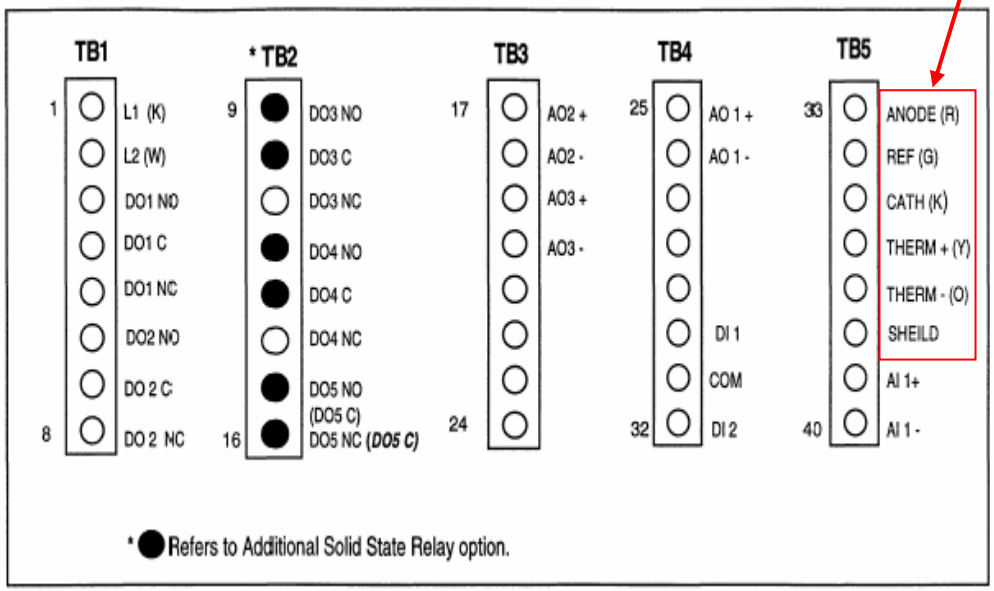
7021 / 7022

Honeywell – 7021 / 7022 Dissolved Oxygen ➔ UDA 2182 Connections for DL5 PPM / PPB Probes

UDA 2182

DL PPM / PPB PROBE CONNECTIONS

NOTE : Connect Shield first then connect from bottom to top.



*** BLUE shield wire goes to chassis ground screw**

Wire Color	*Signal name*	
Clear	Cathode	10
Green	Reference	9
Red	Anode	8
White with Black Stripe	Guard	7
	RTH 3rd Wire	6
Yellow	RTH Low	5
Orange	RTH High	4
		3
		2
	Earth Ground	1

Dissolved Oxygen Terminal Designations

GROWING TOGETHER

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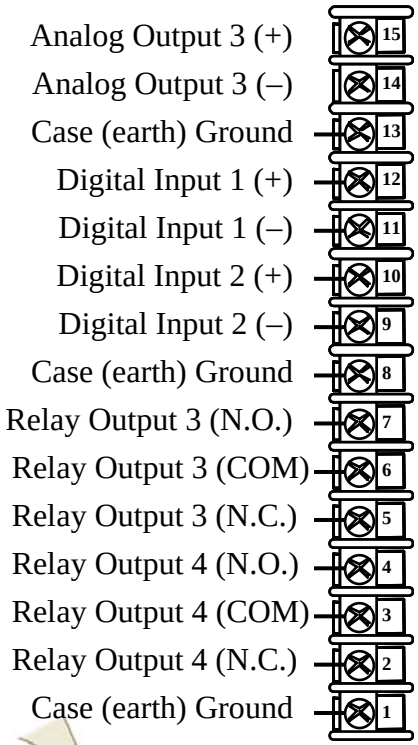
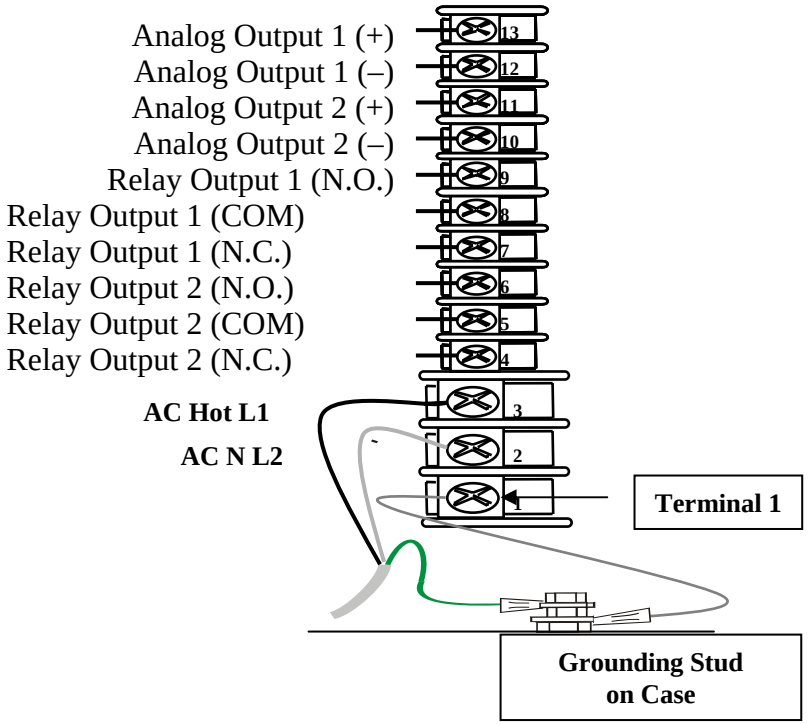
UDA 2182 WIRING CONNECTIONS FOR ANALOGUE AND RELAY OUTPUTS, POWER CONNECTIONS AND OPTION CARD CONNECTIONS

UDA 2182

OPTIONAL I/O AND RELAY CARD



POWER AND OUTPUT CARD (Standard)



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