

UNIVERSAL MINI NICHE RETRO FIT MANUAL

AGRX R2 INSTALLATION & OWNER'S MANUAL

CONTENTS

QUICK REFERENCE TABLE	3
READ THIS FIRST	3
TOOLS REQUIRED	4
INCLUDED PARTS	5
TRANSFORMER VERIFICATION	6
LIGHT REMOVAL	7
CABLE PREPARATION	8
ADAPTOR PLATE INSTALLATION	12
ADAPTOR INSTALL - TYPE A	13
ADAPTOR INSTALL - TYPE B	14
AGRX 002 PLATE ASSEMBLY	17
POST INSTALLATION CHECK	19

PRODUCT SUPPORT AND INFORMATION

Telephone: 03 9793 2299 (Business hours 8:30 - 4:30)

SALES ENQUIRIES

E. sales@spaelectrics.com.au

TECHNICAL SUPPORT

E. tech@spaelectrics.com.au

www.spaelectrics.com.au

QUICK REFERENCE TABLE

LIGHT	INSTALLATION TYPE	INSTALL TYPE (A) SCREW LOCATIONS	INSTALL TYPE (B) ADAPTOR REQUIRED
ASTRAL CALIDORAY	CONCRETE/FIBREGLASS	-	PAL ADAPTOR
ASTRAL FLX	FIBREGLASS	C-C-C	-
AQUAQUIP EVO-FG	FIBREGLASS	SLOTS (SEE PG 13)	-
AQUA DE LIGHT/AUTUMN SOLAR	CONCRETE/FIBREGLASS	-	*AGRX 002
LUMASCAPE	CONCRETE/FIBREGLASS	B-B	-
PAL EVENGLOW	CONCRETE	A-A	-
	FIBREGLASS	-	PAL ADAPTOR
PAL 2000	CONCRETE/FIBREGLASS	-	PAL ADAPTOR
SPA ELECTRICS EMF/EMC	CONCRETE/FIBREGLASS	-	EM ADAPTOR
SPA ELECTRICS EMV	VINYL	-	*AGRX 002
WATERCO SLIM 90	FIBREGLASS	-	PAL ADAPTOR

READ THIS FIRST

This booklet contains important information about the correct installation and handling of the AGRX Series lights. **Please read this booklet carefully** before commencing installation to familiarise yourself with the included parts, accessories and correct installation procedures.

BEFORE YOU START

- If required, ensure that the transformer is installed by a suitable qualified persons (e.g., registered pool builder and/or qualified electrician), in accordance with AS/NZS 3000:2018 standards.
- For safe and proper installation, ensure that only those parts supplied with the system are used.
- Check that there is enough cable behind the existing light to allow for servicing above water, preferably at ground-level pool-side.
- Ensure the pool light end of cable is circular and free of damage or imperfections i.e., cuts, cracks or deformation. If possible, trim back until fresh end of cable is available.
- Confirm existing transformer is a iron core type, 12V AC ONLY and in good working order (If in doubt contact Spa Electrics).

CLEANING

• Only use warm water and a soft brush or cloth to clean AGRX Series. DO NOT use detergents or spirits as this can damage the light and void your warranty.

USE

- Operating the light for at least 15 minutes every week is advised (all year round)
- AGRX Series lights are suited for both domestic and commercial installations.

WARNING



- The **AGRX Series** light must only be powered by a 12V AC iron core type transformer.
- DO NOT use electronic or switch-mode transformers with **AGRX Series** lights. These transformers will damage the light and void your product warranty.
- Pool chemicals & pH levels: Due to the corrosive nature of unbalanced pool chemicals, Spa Electrics strongly recommends that your pool water is balanced prior to installing your pool lights or any plastic or stainless-steel components and tested weekly to maintain these levels. pH level should be maintained between 7.2 - 7.6 at all times to ensure the longevity of these components.
 - Failure to do so can result in chemical damage to the light housing and pool fittings, including stainless steel components
 - Please note: Lights or components found to have excessive chemical damage will not be covered under our manufacturer's warranty policy
- This light contains no user-serviceable parts; opening the light will void the product warranty.

TOOLS REQUIRED



✓ Flat-blade screw driver

✓ Phillips Head (No 2) screw-driver



✓ Cable stripper/Side Cutters



IMPORTANT NOTES

The use of power tools (such as 240V and cordless drills) during installation is not recommended as these devices can cause faults and damage to light components.

If you are unsure, please contact Spa Electrics

INCLUDED PARTS

MODEL: AGRX R2



R2 ADAPTOR PLATE (P/N: SAMB 003)



EM ADAPTOR (P/N: SAMB 004)



LANOLIN



AGRX LIGHT



R2 RIM (P/N: AGRX 008R2)



PAL ADAPTOR (P/N: SAMB 009)



1 X WARRANTY CARD



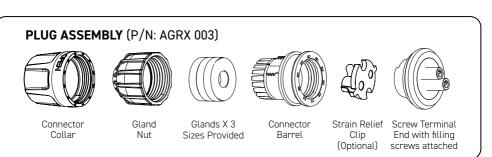
ADAPTOR TOOL (P/N: VIVO 045)



2 X LUMASCAPE SCREWS

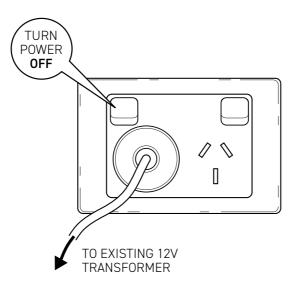


ADAPTOR THREAD (P/N: VIVO 041)



TRANSFORMER VERIFICATION

TURN POWER OFF



2 CHECK TRANSFORMER

EXISTING TRANSFORMER MUST BE:

- · 12V AC ONLY
- MIN 15 WATT (PER LIGHT)
- IN GOOD WORKING ORDER

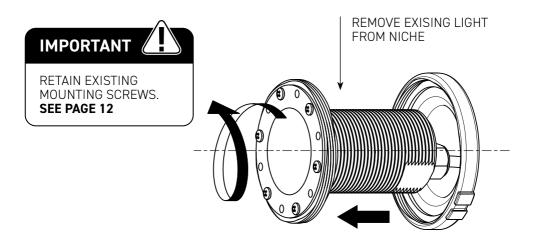
EXISTING TRANSFORMER MUST <u>NOT</u> BE:

- DC OR LED DRIVER
- ELECTRONIC OR SWITCH MODE
- WEATHER DAMAGED OR IN OTHERWISE POOR CONDITION

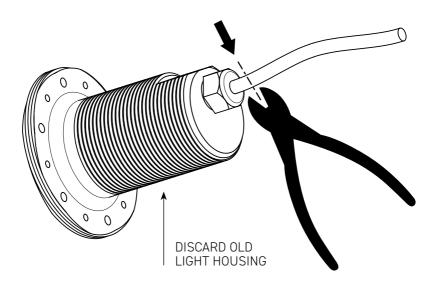


LIGHT REMOVAL

REMOVE EXISTING LIGHT







CABLE PREPARATION

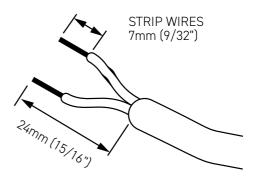
CABLE PREPARATION

STRIP POWER CABLE TO SPECIFIED LENGTH

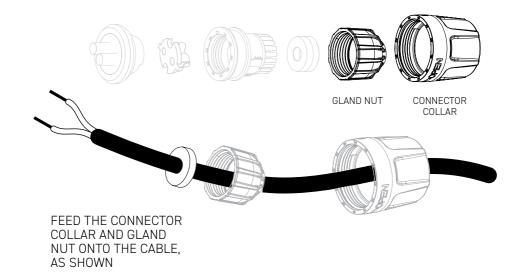




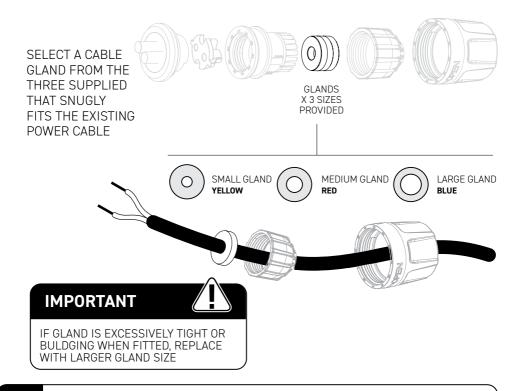
IF CABLE LENGTH ALLOWS, CUT CABLE BACK UNTIL FRESH COPPER APPEARS



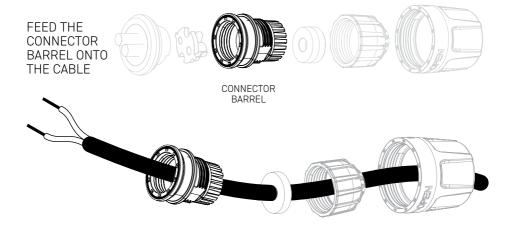
2 START ASSEMBLY OF CONNECTOR PLUG



CHOOSE THE APPROPRIATE GLAND

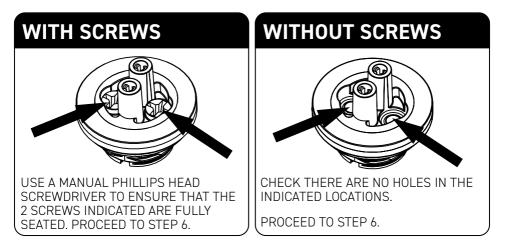


4. CONTINUE ASSEMBLY OF CONNECTOR PLUG



5 CHECK SCREWS ON SCREW TERMINAL END

CHECK IF SCREWS ARE PRESENT IN THE TOP OF THE SCREW TERMINAL END



6

CHECK SCREWS ON SCREW TERMINAL END



STRAIN RELIEF CLIP (OPTIONAL)

OPTION 1: WHEN USING THE LARGE CABLE GLAND, THE STRAIN RELIEF CLIP IS NOT REQUIRED. FOLLOW STEP 7A (IGNORE STEP 7B).

OPTION 2: THE STRAIN RELIEF CLIP MUST BE USED WHEN THE SMALL OR MEDIUM CABLE GLAND IS USED. FOLLOW STEP 7B (IGNORE STEP 7A).

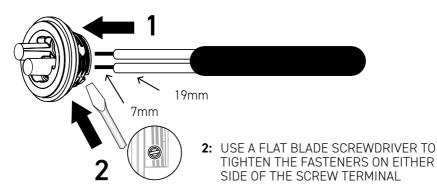


7A CONNECT THE SCREW TERMINAL END

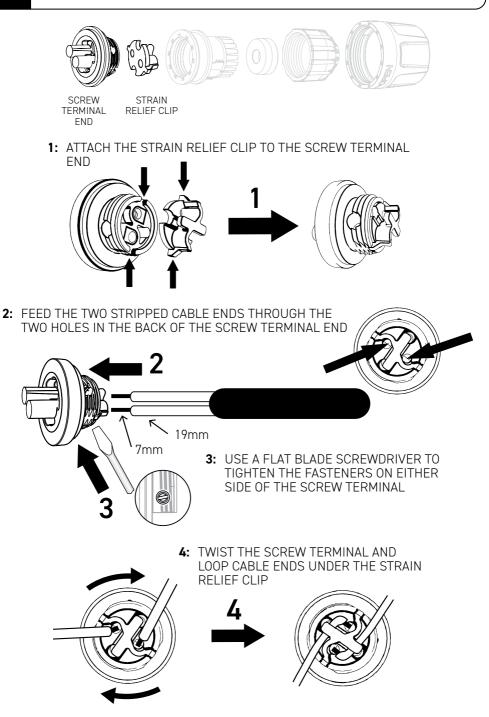


SCREW TERMINAL END

1: FEED THE TWO STRIPPED CABLE ENDS THROUGH THE TWO HOLES IN THE BACK OF THE SCREW TERMINAL END

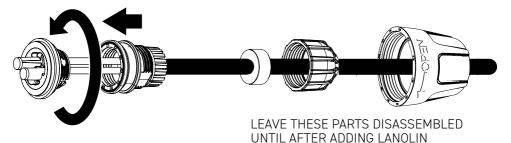


CONNECT THE SCREW TERMINAL END



9 START ASSEMBLY OF CONNECTOR PLUG

CAREFULLY THREAD CONNECTOR BARREL ONTO SCREW TERMINAL AND TIGHTEN FIRMLY BY HAND

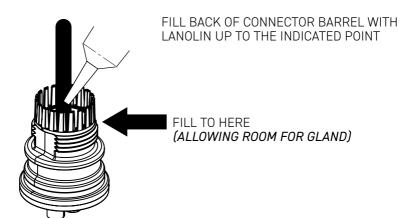




LANOLIN USE



LANOLIN	

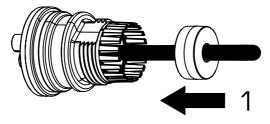


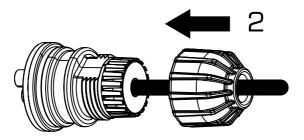
12 CONTINUE ASSEMBLY OF CONNECTOR PLUG

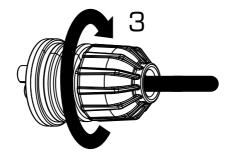
1: SEAT CABLE GLAND ALL THE WAY INTO CONNECTOR (DO A VISUAL CHECK TO MAKE SURE A SEAL BETWEEN GLAND AND CABLE)

2: CAREFULLY THREAD GLAND NUT ONTO CONNECTOR BARREL

3: TIGHTEN GLAND NUT FIRMLY BY HAND

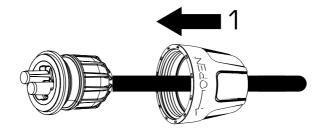




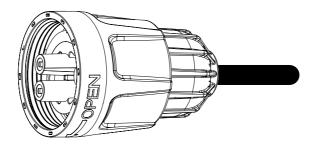


13 CONTINUE ASSEMBLY OF CONNECTOR PLUG

1: SLIDE CONNECTOR COLLAR ALL THE WAY TO THE END READY FOR ATTACHMENT TO THE LIGHT ASSEMBLY

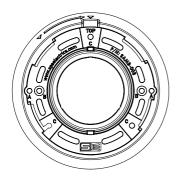


ASSEMBLED VIEW OF CONNECTOR PLUG



ADAPTOR PLATE INSTALLATION

LIGHT	INSTALLATION TYPE	INSTALL TYPE (A) SCREW LOCATIONS	INSTALL TYPE (B) ADAPTOR REQUIRED
ASTRAL CALIDORAY	CONCRETE/FIBREGLASS	-	PAL ADAPTOR
ASTRAL FLX	FIBREGLASS	C-C-C	-
AQUAQUIP EVO-FG	FIBREGLASS	SLOTS (SEE PG 13)	-
AQUA DE LIGHT/AUTUMN SOLAR	CONCRETE/FIBREGLASS	-	*AGRX 002
LUMASCAPE	CONCRETE/FIBREGLASS	B-B	-
PAL EVENGLOW	CONCRETE	A-A	-
	FIBREGLASS	-	PAL ADAPTOR
PAL 2000	CONCRETE/FIBREGLASS	-	PAL ADAPTOR
SPA ELECTRICS EMF/EMC	CONCRETE/FIBREGLASS	-	EM ADAPTOR
SPA ELECTRICS EMV	VINYL	-	*AGRX 002
WATERCO SLIM 90	FIBREGLASS	-	PAL ADAPTOR

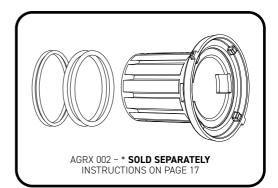


R2 ADAPTOR PLATE (P/N: SAMB 003)



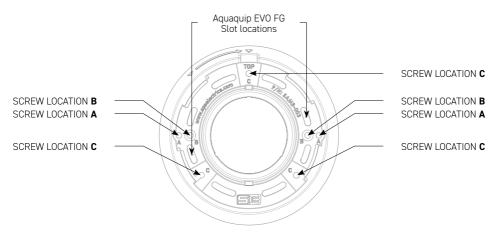


EM ADAPTOR (P/N: SAMB 004) PAL ADAPTOR (P/N: SAMB 009)



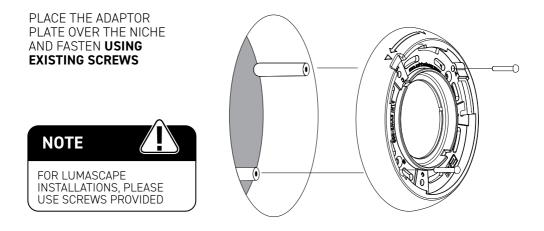
ADAPTOR INSTALL - TYPE (A)

IDENTIFY SCREW POSITIONS



SLOTS AQUAQUIP EVO FG

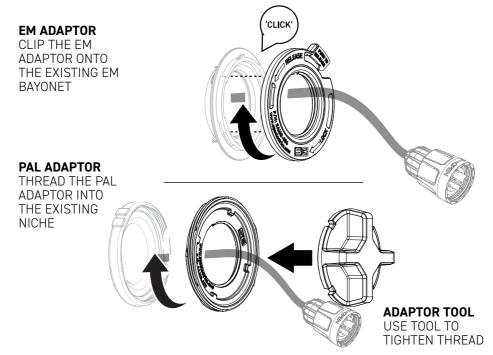
2 ATTACH ADAPTOR PLATE



ADAPTOR INSTALL - TYPE (B)

ATTACH NICHE ADAPTOR

ATTACH THE REQUIRED ADAPTOR (SEE TABLE ON PG 12) TO THE EXISTING NICHE



2 ATTACH ADAPTOR PLATE

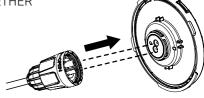
PLACE THE ADAPTOR PLATE OVER THE EXISTING NICHE AND INSTALL THE ADAPTOR THREAD

CONNECT THE TERMINALS

ALIGN THE TERMINAL PINS ON PLUG AND BACK OF LIGHT ASSEMBLY AND FIRMLY CONNECT TOGETHER

IMPORTANT NOTES

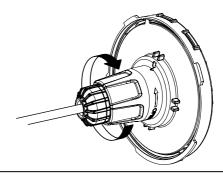




- DO NOT ADD SEALANTS, GREASES OR ADHESIVES
- ENSURE ALL SURFACES ARE CLEAN AND DRY
- DO NOT ASSEMBLE UNDERWATER

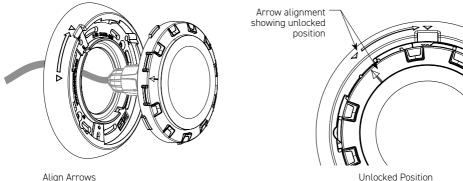
FASTEN PLUG TO LIGHT

THREAD PLUG COLLAR ONTO AGRX LIGHT AND TIGHTEN FIRMYLY BY HAND



INSTALL LIGHT ONTO SMALL ADAPTOR PLATE

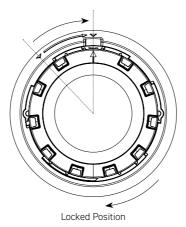
ALIGN THE ARROW ON THE LIGHT WITH THE LEFT ARROW (11 O'CLOCK POSITION) ON THE SMALL ADAPTOR PLATE



Align Arrows

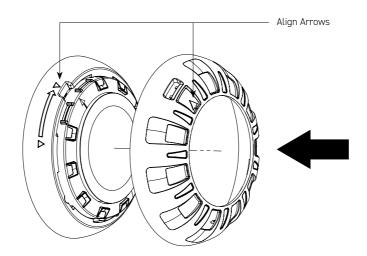
5 STEP 5 CONTINUED...

TWIST LIGHT CLOCKWISE UNTIL TOP ARROWS ALIGN



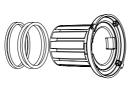
6 CLIP ON RIM

ALIGN THE ARROW ON THE RIM WITH THE TOP ARROW (12 O'CLOCK POSITION) ON THE ADAPTOR PLATE PRESS THE RIM ONTO THE LIGHT BY HAND



AGRX 002 PLATE ASSEMBLY









R2 RIM (P/N: AGRX 008R2)

R2 ADAPTOR PLATE (P/N: SAMB 003) AGRX 002 Kit Includes 2x Set of O'Rings. (2x3mm & 2x1mm)

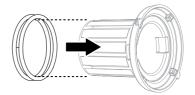
ADAPTOR TOOL (P/N: VIVO 045)

045)

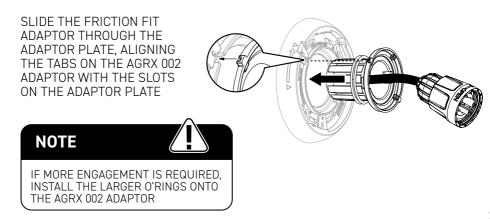
AGRX LIGHT

STEP 1

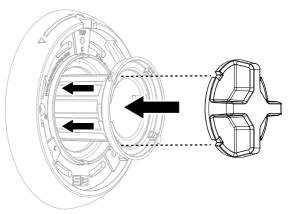
PLACE THE SMALL O'RINGS OVER THE AGRX 002 FRICTION FIT ADAPTOR



STEP 2

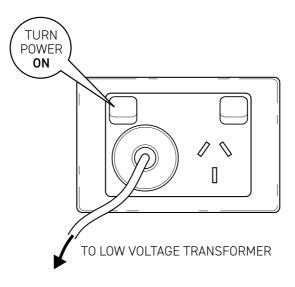


USING THE ADAPTOR TOOL PUSH THE AGRX 002 ADAPTOR INTO THE EXISTING NICHE PIPE



POST INSTALLATION CHECK

1 TEST SYSTEM







© COPYRIGHT 2024 SPA ELECTRICS PTY. LTD. ALL RIGHT RESERVED

2024 09 04