HOLLINGSWORTH

Operating Instructions

H4A - Ratchet Hand Tool
H28-4A Portable Air Tool

HOLLINGSWORTH

(800) 638-8376 techsuppt@hollingsworth.com www.hollingsworth.com

TOOL WARRANTY

Electro-Term/Hollingsworth tools are warranted to be free from defects in material and workmanship under normal use and service. This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, or ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized products or parts.

Our obligation under this warranty is limited to the replacement of the product. We are not bound by any other warranty, expressed, implied, or statutory. Under no circumstances are we liable for any loss, damage, expenses, or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.

TOOL POLICY

A One-Year parts and labor guarantee shall be extended on all hand ratchet and pneumatic tools. Tooling must be sent back to Electro-Term/Hollingsworth for all repairs, recalibrations, and recertification.

Operating Instructions - 956219

H4A Ratchet Hand Tool
H28-4A Portable Air Tool

Description

H4A The H4A Ratchet Hand Tool is a non–butting tool equipped with a ratchet mechanism that ensures a full cycle crimp.

H28–4A The H28–4A Air Tool is a portable butting tool similar to the H4A, but it is equipped with a terminal locator along with the following features:

A. A handle safety latch is provided to lock the air valve trigger bar in the safe position when the tool is not in use.

B. Air is supplied through a hose with a 1/8 NPT fitting. The air pressure should be 85–100 p.s.i., clean, dry, lubricated shop air.

C. Either hand–held or bench–mounted operation is possible. When hand held, a trigger (handle) bar is pressed to crimp. When bench mounted, a remote control foot pedal is used.

Product Application

This tool will crimp all short (5/32") and long (1/4") barrel non–insulated (NIT) terminals and splices in the 22 thru 10 AWG wire range.

NOTE: To crimp 14–12 NIT and 16–14 Heavy Duty terminals, use the 12–10 crimping nest. (See Figure 1 for nest selection).

Stripping Recommendations

The following table provides the stripped length, in inches, required for each type of terminal and connector.

Strip Length Table	
Terminals	Strip Length ±1/32
Short Barrel	7/32
Long Barrel	5/16
22–14 Butt Splice	5/16
Parallel Splice	3/8
12–10 Butt Splice	13/32

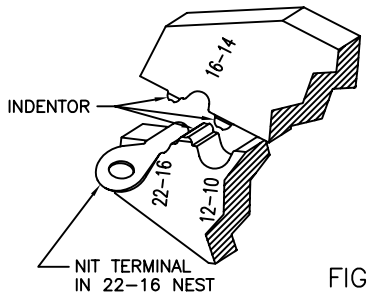

FIGURE 1

Crimping Terminals

H4A

1. Select the correct crimping nest for terminal wire size. (See Figure 1.)
2. Insert the terminal, barrel first, into the crimping tool nest and verify that:
   A. The barrel seam is 180° away from the indentor. (See Figure 1.)
   B. The indentor is located in the center of the terminal barrel.
   C. The connector is centrally located in the jaw.
3. Close the tool jaws until the terminal barrel is snugly held in position.
4. Insert the stripped wire end into the terminal barrel. (Refer to the Strip Length Table.)
5. Complete the crimp.

H28–4A

1. A handle slide safety latch is provided to lock the air valve trigger bar in the "safe" position when the tool is not in use.
2. Air Supply: 1/8 NPT fitting; 85 p.s.i. clean, dry, lubricated shop air.
3. Manual Operation: Depress the handle trigger bar while hand held.
4. Bench Mounted Operation: Press foot pedal to operate.

   NOTE: Remove the terminal locator when crimping butt and parallel splices.

Maintenance

Lubricate all pins and pivot points every 4,000 to 5,000 crimps. Use a silicone or graphite based grease or any good grade S.A.E. No. 20 motor oil.