

Dimensions

Height 12" (30.5 cm)

Depth: 12" (30.5 cm)

Length 26" (66 cm)

Weight

60 lb. (27.3 kg)



Fig. 1. G.N.T. Converter Model 2206.

When ordering, please state —

- (1) voltage of supply,
- (2) whether supply is alternating or direct current,
- (3) whether the Morse tape is 12 mm or 9.5 mm wide,
- (4) master chart in accordance with which conversion should be effected.

G. N. T. CONVERTER MODEL 2206

5-UNIT TO MORSE CODE

The Model 2206 converter is designed especially for the conversion of perforated 5-unit (teleprinter) tape to perforated Morse or Cable code tape.

Normal operating speed of the instrument is approximately 420 characters per minute, but for those who desire a somewhat faster conversion, a speed of approximately 650 characters per minute is available. To change from one speed to the other, it is necessary only to fit the appropriate size motor pulley and driving belt, both of which may be obtained as spares.

A chart of motors, pulleys, and belts for the various speeds is given on page 41.

Conversion of any character in the 5-unit code to its equivalent Morse signal is arranged at the factory in accordance with a master chart prepared to suit the requirements of the user. A specimen master chart is shown in fig. 3. For those 5-unit combinations which have no Morse equivalent such as "letter shift", "figure shift", "who are you" and "bell" nothing is reproduced on the Morse tape. "Carriage return" and "line feed" signals are not normally converted, but if the perforated tape is to be fed into a Morse page printer, these combinations can be converted to a "double hyphen" and "word space" respectively, or vice versa. Provision is made, should it be desired, for conversion of the 5-unit "all space" combination into Morse signals in both the letters and figures groups.

A device is incorporated which stops the mechanism when the 5-unit tape becomes taut and restarts it as the tape slackens, thus, if required,

the converter may be directly coupled to a 5-unit reperforator which operates at a lower speed, without mutilation of the tape or loss of signals.

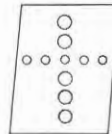


Fig. 2A.

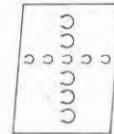


Fig. 2B.

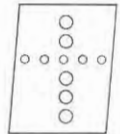


Fig. 2C.

As supplied, the instrument will accept fully perforated and chadless 5-unit tape with the feed holes placed centrally to the signal perforations as in figs. 2A and 2B, or it will, after a small adjustment of the tape feed spindle, accept 5-unit tape with advanced feed holes as shown in fig. 2C.

The 5-unit section is fitted with a tape guide platform which accommodates a standard 5-unit tape 11/16" (17.46 mm) wide, or if specified, a platform is available which incorporates an instantly adjustable tape channel, thereby providing the operator with the facility for inserting a 5-unit tape either 11/16" or 7/8" wide as desired. The tape guiding portion of the Morse perforating unit is dimensioned to take 9.5 mm or 12 mm tape according to specification.

Parchment paper has proved to give less wear on the punches and dies than other types of paper and is therefore recommended. A good quality oiled paper however can be used effectively in the converter.

No.	5-UNIT	MORSE	
1	○ ○	A	● — — — — —
2	○ ○ ○	B	— ● ● ● ●
3	○ ○ ○	C	— ● ● ● ●
4	○ ○	D	— ● ● ●
5	○	E	●
6	○ ○ ○	F	● ● ● ●
7	○ ○ ○	G	— ● ● ●
8	○ ○	H	● ● ● ●
9	○ ○	I	● ●
10	○ ○ ○	J	● — — — —
11	○ ○ ○ ○	K	— ● ● ●
12	○ ○	L	● ● ● ●
13	○ ○ ○	M	— —
14	○ ○	N	— ●
15	○ ○	O	— — — —
16	○ ○ ○	P	● ● ● ● ●
17	○ ○ ○ ○	Q	— — ● ●
18	○ ○	R	● ● ●
19	○ ○	S	● ● ●
20	○	T	—
21	○ ○ ○	U	● ● ●
22	○ ○ ○ ○	V	● ● ● ●
23	○ ○ ○	W	● ● ● —
24	○ ○ ○ ○	X	— ● ● ●
25	○ ○ ○	Y	— ● ● ● —
26	○ ○	Z	— ● ● ●
27	○ Carriage ret		
28	○ Line feed	Space: 2 centre holes.	
29	○ ○ ○ ○ ○ ○ Letters		
30	○ ○ ○ ○ ○ ○ Figures		
31	○ Space	Space: 2 centre holes.	
32	 Blank	Space: 2 centre holes.	

Fig. 3.

Master charts are prepared to suit the requirements of the user and the chart shown above is known as *Master Chart AB*. This chart is, as far as the 5-unit signals are concerned, based on International Alphabet No. 2 but the converter may be arranged to effect conversion from any other 5-unit alphabet.