



NLDX2.E134517 Motor Controllers, Magnetic - Component

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Motor Controllers, Magnetic - Component

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XIAMEN HONGFA ELECTROACOUSTIC CO LTD

E134517

JIMEI NORTH INDUSTRIAL DISTRICT

91-101 SUNBAN SOUTH RD

XIAMEN, FUJIAN 361021 CHINA

Investigated to ANSI /UL 508

Across-the-line starters for use in industrial control and heating air-conditioning and refrigeration applications Model(s) HF36F or JZC-36F, followed by 005 thru 048, followed by Z or H, may be followed by S, may be followed by T, may be followed by B, maybe followed by additional letters and/or numbers.

Elevator controllers Model(s) JE8 or HFE8, followed by 3 thru 24, followed by 1H, 2H or 1HD, may be followed by S, may be followed by T, may be followed by F, may be followed by G, may be followed by L1 or L2, may be followed by R, may be followed by letters and/or numbers.

Magnetic motor controllers, for industrial applications, open type Model(s) HF12FF, followed by 003 thru 024, followed by H, may be followed by S, may be followed by T.

HF26F, followed by 005 thru 024, followed by -1H or -1Z, may be followed by S, may be followed by additional letters and/or numbers.

HF36FD or JZC-36FD, followed by 003 thru 048 for 0.53 W coil, or 003 thru 024 for 0.25 W and 005 thru 024 for 0.15 W coil, followed by -H, followed by S or blank, followed by L, L2 or blank, may be followed by T or blank, may be followed by letters or numbers.

HF37F or JQX-37F, followed by /005 through /060, followed by -1H, may be followed by T, maybe followed by p, may be followed by additional letters and/or numbers.

HF37F, followed by 3 thru 60, followed by -1H, followed by T, may be followed by additional letters and/or numbers.

HF54FFXXD-HXX, HF54FFXXD-ZXX

HF8, followed by -1A, -1B or -1C, may be followed by H, may be followed by -1.5 thru 48, followed by D, may be followed by S, may be followed by E, may be followed by A or F.

HF8, followed by -1AT or -1CT, followed by -1.5 thru 48, followed by D, may be followed by E, may be followed by A or F.

HF84F1A (a), HF84F4A (a), HF84F7A (a)

HF8A, followed by 1C, may be followed by H, followed by 1.5 thru -48, followed by D, may be followed by E, S or SE, followed by 0 or 1.

HF8A-1CH, followed by -1.5 thru 48, followed by D, may be followed by S, may be followed E, may be followed F.

HFE10-L, followed by 6, 9, 12, 18, 24, 48, followed by H, followed followed by T, followed by L1 or L2, followed by R or Blank, followed by additional numbers or letter or Blank.

JQC-26F, may be followed by T, followed by 005 thru 036, followed by -1H or -1Z, may be followed by S, may be followed by letters and/or numbers.

JQX-14FYXX1H-1, JQX-14FYXX1H-2, JQX-14FYXX1H-P1, JQX-14FYXX1H-P2, JQX-15, JQX-15-A, JQX-15-B, JQX-15-C, JQX-15-F, JQX-15-FS, JQX-15F-A, JQX-15F-B, JQX-15F-C, JQX-54FEXXD-HXX, JQX-54FFXXD-HXX, JQX-54FFXXD-ZXX, TX-9XX-XX (X=character)

Magnetic motor controllers, relays Model(s) HF152FD, followed by /3, /5, /6, /9, /12, /18, /24 or /48, followed by -1H or -1Z, followed by blank or P, followed by blank or S, followed by blank or T, followed by blank or G, followed by blank or F, followed by blank or Q, may be followed by letters and/or numbers.

Magnetic switches, industrial control Model(s) HF210, HF211, HF212, HF215, HF216 or HF217, followed by 0 or 1, followed by 1A, 1B or 1C, followed by 3D thru 120D, may be followed by E, maybe followed by T, may be followed by F.

HF2100, followed by W, followed by 1A, followed by 5D thru 110D, followed by T, maybe followed by additional letters or numbers.

HF2150, followed by W, followed by 1A, followed by 5D thru 110D, followed by T, maybe followed by additional letters or numbers.

HF2160, followed by W, followed by 1A, followed by 5D thru 110D, followed by T, maybe followed by additional letters or numbers.

JQX-116F-1 Series or HF116F-1 Series, followed by 003D thru 200D or 006A thru 240A, followed by A or P or F, followed by -1H or -2H, followed by T or Nil, followed by F or Nil, followed by W or Nil, followed by C or Nil, may be followed by letters and/or numbers.

JQX-116F-2 Series or HF116F-2 Series, followed by 003D thru 200D or 006A thru 240A, followed by L or P, followed by -1H or -2H, followed by S or Nil, followed by T or Nil, followed by F or Nil, followed by W or Nil, followed by C or Nil, may be followed by letters and/or numbers.

JQX-116F-3 Series or HF116F-3 Series, followed by 003D thru 200D or 006A thru 240A, followed by A or F, followed by -1H or -2H, followed by T or Nil, followed by F or Nil, followed by W or Nil, followed by C or Nil, may be followed by letters and/or numbers.

Magnetically operated, single-pole, normally open relays, enclosed type Model(s) HF33F, followed by 003, 005, 006, 009, 012, 018, 024 or 048, followed by -H or -Z, may be followed by S, may be followed by L, followed by 3 or T, may be followed by G, may be followed by F, may be followed by (257), may be followed by (letter(s) and/or number(s)).

Reduced voltage controllers Model(s) HF7FD, JQC-7FD or HF7FD-T, JQC-7FD-T, followed by 003 thru 048, followed by 1Z or 1H, may be followed by P, may be followed by S, may be followed by T, may be followed by F, may be followed by letters or numbers

Relays Model(s) HF32FA or JZC-32FA, may be followed by -T, followed by 003 thru 048, followed by -H designates for SPST contact rating or -Z designates for SPDT contact rating, followed by S or Nil, may be followed by L or Nil, followed by 1 or 2, may be followed by Nil or G, may be followed by (numbers or letters).

HF32FA-G, followed by 003 thru 024, followed by -H, followed by S or Nil, followed by L or Nil, followed by 1 or 2, followed by G or Nil, may be followed by (numbers or letters).

Relays, for use in temperature indicating and regulating equipment Model(s) HF152F or HF152F-T followed by 005 thru 048, followed by 1H or 1Z, may be followed by P; may be followed by S, may be followed by T, may be followed by G, maybe followed by Q, maybe followed by additional letters and/or numbers. (May be used in industrial control equipment applications where the ratings are not to exceed 15 A, 125 Vac or 10 A, 277 Vac.)

Solid state motor controllers, open type Model(s) HFS34 or JG-34F, followed by /D- or /A-, followed by 240, 380, 480 or 600, followed by A, followed by 10, 15, 20, 25, 40, 50 or 60, 70, 80 or 100, followed by Z or P, followed by S-, followed by Blank, Y or T, followed by L or blank, followed by Blank or D, may be followed by additional letters or numbers.

Switches, Industrial Control Model(s) HF118FK, followed by 5 through 60, followed by -H, -D or -Z, followed by 1, 3, 5 or 6, followed by T, may be followed by G, may be followed by (additional letters

and/or numbers).

Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

Magnetic Motor Controllers Model(s) HF161F followed by /5 through /48, followed by -H, may be followed by T, may be followed by (769), may be followed by additional letters and /or numbers.

HF32FV-16 followed by 12 or 24, followed by H, maybe followed by S , followed by T, followed by F, maybe followed by G, maybe followed by additional letters or numbers.

Magnetic motor controllers Model(s) Type HF32F-G (d)

Magnetic motor controllers, for industrial applications, open type Model(s) 84-1A (a), 84-4A (a), 84-7A (a), 90-203Q (a), 90-204Q (a), 90-205Q (a), 90-290Q (a), 90-291Q (a), 90-292Q (a), 90-293Q (a), 90-294Q (a), 90-295Q (a)

94 or HF94F, followed by 10A, 11A, 12A or 13A, followed by 24, 120, 208, 240 or 277, followed by blank, E or T, may be followed by 1 or 2, may be followed by additional letters or numbers.

HF102F, followed by -P or blank, followed by T or blank, followed by 5 Vdc, 12 Vdc, 24 Vdc or 48 Vdc, followed by letters or numbers.

HF115F-L, followed by 3 to 24, followed by H, Z, 2H, or 2Z, followed by Blank or S, Followed by 3 or 4, followed by L1 or L2, followed by T, followed by Blank or G, followed by F, maybe followed by additional letters or numbers

HF115F-S followed by 5 through 110, followed by -H, followed by blank or S, may be followed by F, may be followed by letters or numbers.

HF115FD, followed by 005, 006, 009, 012, 018, 024, 036 or 048, followed by -1H or -1Z, followed by 1, 2 or 3, followed by A or B, may be followed by F, may be followed by letters or numbers.

HF158F, followed by T or blank, followed by 5, 6, 9, 12, 18, 24 or 48, followed by -H or -Z, followed by S or blank, followed by 3, followed by 3 or T, followed by G or blank, may be followed by letters and/or numbers.

HF160F, followed by /5, /12, /24, /48, followed by -H5 or -H6, followed by T or blank, followed by letters or numbers.

HF161F-W, followed by /9 through /24, followed by -H, followed by T, may be followed by letters and/or numbers.

HF3FA series. Cat. No. HF3FA or HF3FA-T followed by 003 to 048, followed by -H or -Z, followed by blank or S, followed by blank or T, followed by blank or F, maybe followed by additional letters and/or numbers.

HF3FD or HF3FD-1, followed by 003 thru 060, followed by H or Z, may be followed by S, may be followed by T or 3, may be followed F, may be followed by letters and/or numbers.

HF46F or HF46F-G, followed by 3 thru 24, followed by -H, followed by blank or S, followed by 1 or 2, followed by blank or T, followed by blank or G, followed by (365), blank or F, may be followed by (letters and/or numbers).

HFA2, followed by /5, /6, /9, /12, /15, /18, /21, /24, /36, /40, /48, /60, /80 or /110, followed by -2Z, -HD1 or -HD2, followed by blank or S, followed by T, followed by blank or G, followed by blank or F, may be followed by letters and/or numbers.

HFA4, followed by /6, /9, /12, /18, /24, /36 or /48, followed by -2H2D or -3H1D, followed by T, followed by G or blank, followed by F or blank, maybe followed by letters and /or numbers.

HFA6, followed by /6, /9, /12, /18, /24, /36 or /48, followed by -5H1D or -4H2D or -3H3D, followed by T, followed by G or Blank, followed by F or Blank, maybe followed by additional letters and /or numbers.

HFE20, followed by -1, -2 or -3, followed by 3, 5, 6, 9, 12 or 24, followed by -1H, -1D or -1Z, followed by blank or S, followed by T or D, followed by L1 or L2, followed by blank or -R, may be followed by letters and/or numbers.

HFE27, followed by -A or -B, followed by 3, 5, 6, 9, 12, 14, 15 or 24, followed by -1, followed by H,D or Z, followed by T, maybe followed by G, followed by -L1 or -L2, followed by -R or blank, maybe followed by letters and/or numbers.

HFE60, followed by 3, 5, 6, 9, 12, 18 or 24, followed by -1H, followed by blank or S, followed by T, followed by blank or G, followed by -L2, followed by blank or -R, may be followed by letters and/or numbers.

JE10 or HFE10, followed by "-", followed by 1, 2, 3, 4 or 5, followed by 6 thru 48, followed by "-", followed by H or Z, followed by 1, 5, 6, 7 or blank, followed by S or blank, followed by T, followed by

"-", followed by L1 or L2, followed by "-", followed by R or blank, followed by numbers, letter or blank.

JE7 or HFE7 Series, followed by 3 thru 24, followed by 1H, 2H or 1HD, may be followed by S, may be followed by T, may be followed by G, may be followed by L1 or L2, may be followed by R, may be followed by 288, may be followed by letters and/or numbers.

JQC-12FF, followed by 003 thru 024, followed by H, may be followed by S, may be followed by T.

JQC-3FF Series or HF3FF Series, may be followed by S, followed by 003 thru 048 or followed by xxVDC, followed by -1Z, -1H or -1D, may be followed by S, followed by blank or T, may be followed by G, may be followed by blank or F, may be followed by (a letter or number).

JQX-10 Series or HF10 Series, followed by FF or FH, followed by 6 thru 230 (AC) or 6 thru 110 (DC), may be followed by A or D, followed by 2Z, 3Z or 3Z-1, may be followed by D, may be followed by T, may be followed by G, may be followed by letters or numbers.

JQX-102F Series, followed by -P or blank, followed by T or blank, followed by 5 Vdc, 12 Vdc, 24 Vdc or 48 Vdc, followed by letters or numbers.

JQX-105F or HF105F, followed by -1, -2, -4 or -5, may be followed by L, may be followed by 00 or 0, followed by 5 thru 277, followed by A or D, may be followed by T, K or 6, followed by 1C, 1H, 1D or 1Z, may be followed by S, may be followed by T, may be followed by F, maybe followed by 136 or any additional letters or numbers.

JQX-115F and HF115F, may be followed by -H, Blank or -A, followed by 005-230, followed by -1H, -2H, -1D, -2D, -1Z or -2Z, may be followed by -S, followed by -1 through -4, may be followed by -A or -B, may be followed by -G, may be followed by -F, may be followed by additional letters or numbers.

JQX-115F-I or HF115F-I, followed by 005 to 110, followed by -1H or -1Z, followed by blank or S, followed by 3, followed by A, maybe followed by F, may be followed by letters or numbers.

JQX-115F-Q or HF115F-Q, followed by 005 thru 060, followed by 1H or 1D, may be followed by S, may be followed by 3 or T, may be followed by G, may be followed by F, may be followed by letters or numbers.

JQX-115F-T, JQX-115F-TH, HF115F-Tor HF115F-TH, followed by 005 to 060, followed by 1H or 1Z, may be followed by S, followed by 3, followed by A or B, may be followed by G, may be followed by F, may be followed by letters or numbers.

JQX-14FF or HF14FF, followed by 003 thru 110, followed by 1H, 1Z or 1HQC, may be followed by S, may be followed by U, T or 3, may be followed by G, may be followed by F, may be followed by letters or numbers.

JQX-14FW or HF14FW, followed by 005 thru 110, followed by H, D or Z, followed by blank or S, followed by blank or P, followed by blank or T, followed by blank or F, may be followed by 136, maybe followed by additional letters or numbers.

JZC-33F, followed by 003, 005, 006, 009, 012, 018, 024 or 048, followed by -H or -Z, may be followed by S, may be followed by L, followed by 3 or T, may be followed by G, may be followed by F, may be followed by (257), may be followed by (letter(s) and/or number(s)).

JZC-7FF or HF7FF, followed by 003 thru 048, followed by 1H or 1Z, may be followed by T, may be followed by S, may be followed by B or F.

JZX-140FF or HF140FF, followed by 3 thru 110, followed by -2H or -2Z, followed by blank or S, followed by blank or W, followed by blank, 3 or T, followed by blank or G, followed by blank or F, may be followed by letters or numbers.

Series 692 and HF92F, followed by coil voltage, followed by D, A5, A6 or A, followed by -2A or -2C, followed by 1, 2, 3 or 4, followed by 1 or 2, followed by F or S, may be followed by (letters for numbers).

Magnetic, Motor Controllers Model(s) Type HF32FV-T (b), Type JZC-32F or HF32F Series (c)

Magnetically operated, single-pole, normally open relays, enclosed type Model(s) JQX-68F or HF68F, followed by 03 thru 060, followed by 1H or 1Z, followed by S or blank, followed by T, B or blank, followed by G or blank, followed by F or blank.

Series JQC-25F or Series HF25F, followed by 005 thru 024, followed by H, may be followed by S, may be followed by 1, 2, 3 or 4, may be followed by letters or numbers.

Motor controllers Model(s) Cat. No. HF3F-L, followed by 5 to 48, followed by -1H or -1Z, followed by blank or S, followed by blank or L, followed by L1 or L2, followed by blank or T, followed by blank or G, maybe followed by R, maybe followed by additional suffix letters and/or numbers.

Open type, Industrial, Motor controllers Model(s) Cat. No. HF36F-G, followed by 005, 006, 009, 012, 018, 024 or 048, followed by -H, followed by T, maybe followed by W, maybe followed by

additional suffix letters and/or numbers.

Cat. No. HF3F-L, followed by 5 to 48, followed by ?1H or -1Z, followed by blank or S, followed by blank or L, followed by L1 or L2, followed by blank or T, followed by blank or G, maybe followed by R, maybe followed by additional suffix letters and/or numbers.

Cat. No. HFE10-L, followed by 6 through 48, followed by H or D, followed by T, followed by L1 or L2, followed by R or Blank, maybe followed by any additional letters and/or numbers.

Cat. No. HFE39, followed by -1, followed by 3, 5, 6, 9, 12, 24 or 48, followed by -2D or -2H, maybe followed by S, followed by T, followed by L1 or L2, maybe followed by R, maybe followed by additional letters and/or numbers.

HF115F, followed by 005, followed by 1Z, followed by 3, followed by A, followed by F, followed by 525.

HF115F-LS, followed by 5 through 24, followed by -H, followed by Blank or S, followed by L1 or L2, maybe followed by F, maybe followed by additional letters or numbers.

HF115FK followed by 5 through 48, followed by -H, -Z, -2H or -2Z, followed by S or blank, followed by 1, 2, 3 or 4, followed by P or blank, followed by T, 3 or blank, may be followed by G, may be followed by additional letters or numbers.

HF115FK-T followed by 5 through 48, followed by -H or -Z, followed by 3, followed by P or blank, followed by T or 3, may be followed by G, may be followed by additional letters or numbers.

HF116F-G, followed by 1 or 2 or 3, followed by 3 through 48, followed by -1H or -2H, followed by T, followed by F, maybe followed by additional letters and/or numbers.

HF158F-V, followed by 5 through 24, followed by -H, followed by 2, followed by T, maybe followed by G, maybe followed by additional letters and /or numbers.

HF165F followed by 5 through 48, followed by -H, followed by T, maybe followed by G, may be followed by additional letters and/or numbers.

HF165F-50 followed by 5 through 48, followed by -H, maybe followed by L, followed by T or 3, may be followed by additional letters and/or numbers.

HF32FV, followed by 3 through 48, followed by H, followed by S or Blank, followed by L or Blank, followed by T or Blank, followed by F, followed by G or Blank, maybe followed by additional letters or numbers or Blank.

HF46FB followed by 3 to 24, followed by -Z, followed by S, followed by 3, maybe followed by additional suffix letters and/or numbers.

HFE60P or HFE60 , followed by 3, 5, 6, 9, 12, 18, 24, followed by 1H,2H,1HD, followed by blank or S, followed by T, followed by blank or G, followed by blank or -L1 or -L2, followed by blank or -R, may be followed by additional letters and/or numbers.

Model HF116F-80, followed by 3 through 48, followed by -1H, followed by T, followed by F, maybe followed by additional letters and/or numbers.

Model HF165FD, maybe followed by -G, followed by 5 through 110, followed by -H or -D or -Z, followed by Y1 or Y2,maybe followed by S, followed by T, followed by F, maybe followed by V, maybe followed by additional letters and /or numbers.

Model HF165FD, maybe followed by -G, followed by 5 through 110, followed by -H or -D or -Z, followed by Y1 or Y2,maybe followed by S, followed by T, followed by F, maybe followed by V, maybe followed by additional letters and /or numbers.

Type HF32FV-G, followed by 3 through 48, followed by H, followed by S or Blank, followed by L or Blank, followed by T or Blank, followed by F, followed by G or Blank, maybe followed by additional letters or numbers or Blank.

Switches Model(s) JQX-118F or HF118F, followed by 005 thru 060, followed by -1D, -1H, -1Z, -2D, -2H or -2Z, may be followed by S, followed by 1 thru 6, may be followed by T, may be followed by G, may be followed by (letters and/or numbers).

(a) - Followed by 24, 120 or 240, followed by Vac.

(b) - followed by 3 through 48, followed by H, followed by S or Blank, followed by T, followed by F, followed by G or Blank, maybe followed by additional letters or numbers or Blank

(c) - followed by 003 thru 048, followed by H or Z, maybe followed by S, maybe followed by L or LQ, maybe followed by 3 or T, maybe followed by G, maybe followed by additional letters or numbers.

(d) - followed by / or Blank , followed by 003 through 048, followed by -, followed by H, followed by S or Blank, followed by 3, T or Blank, followed by additional letters or numbers or Blank.



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