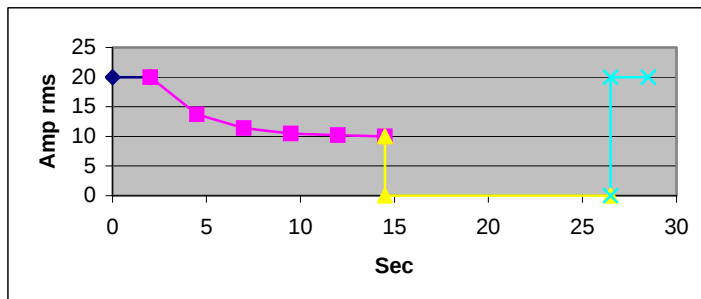


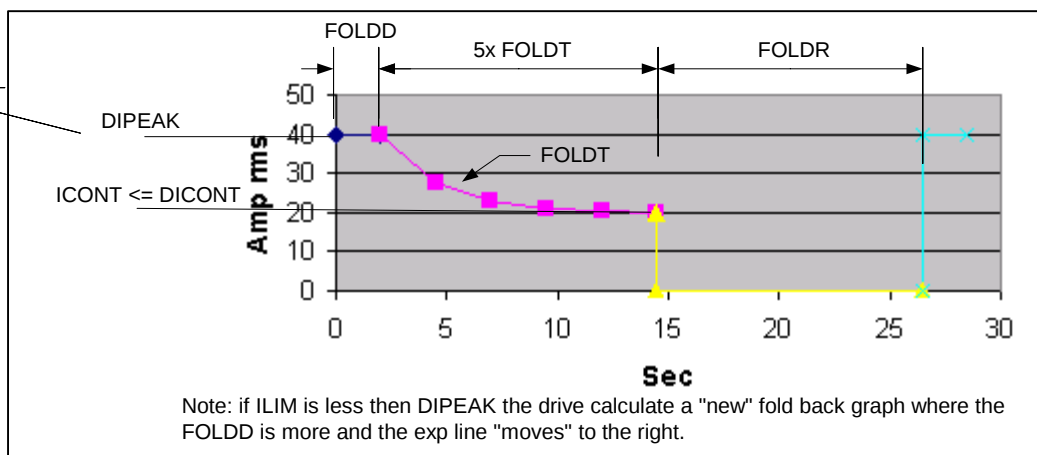
Calculate FOLD back parameters

	Parameter	Drive units
Inputs	DIPEAK	200
	DICONT	100
	FOLDD	2000
	FOLDT	2500
Calculate	FOLDR	12000



Time	Current
Sec	Amp rms
0	20
2	20
4.5	13.7
7	11.4
9.5	10.5
12	10.2
14.5	10
14.5	0
26.5	0
26.5	20
28.5	20

Note: limited by IMAX



MFOLD

displays the status of the motor foldback circuit. When the system current level exceeds MICON, the drive enters motor foldback mode, MFOLD changes from 0 to 1, and the drive current is limited gradually (in exponential fashion) to the value of MICON. See also FOLD, FOLDMODE, MFOLDD, MFOLDDIS, MFOLDR, and MFOLDT.

0 = motor foldback OFF (inactive)

1 = motor foldback ON (drive is limiting output current)

Firmware Versions: 3.2.0 and later

Type: switch (R/W) Range: 0, 1

Units: n/a Default: 0

Opmodes: all Drive Status: en/dis EEPROM: no

Last modified : 3/8/2000

MFOLDD

sets the delay time for motor foldback. This is the amount of time that the system current can exceed MICON before the drive will enter the motor foldback state. The time units assume a worst-case scenario where the drive is applying MIPEAK current. A current level of less than MIPEAK can be allowed for a longer time. See also FOLD, FOLDMODE, MFOLD, MFOLDDIS, MFOLDR, and MFOLDT.

Firmware Versions: 3.2.0 and later

Type: variable (R/W) Range: 1 to 2400

Units: seconds at MIPEAK Default: 1200

Opmodes: all Drive Status: en/dis EEPROM: yes

Last modified : 3/8/2000

MFOLDDIS

enables/disables the motor current foldback function. See also FOLD, FOLDMODE, MFOLD, MFOLDD, MFOLDR, and MFOLDT.

0 = enable motor foldback function

1 = disable motor foldback function

Firmware Versions: 3.2.0 and later

Type: switch (R/W) Range: 0, 1

Units: n/a Default: 1 (disabled)

Opmodes: all Drive Status: en/dis EEPROM: yes

Last modified : 3/8/2000

MFOLDR

sets the recovery time for motor foldback. After the drive enters the motor foldback state (MFOLD=1), and the current folds back to MICON, this is the amount of time that the current will be held at MICON or below before it is allowed to exceed MICON again. See also FOLD, FOLDMODE, MFOLD, MFOLDD, MFOLDDIS, and MFOLDT.

Firmware Versions: 3.2.0 and later

Type: variable (R/W) Range: 900 to 3600

Units: seconds Default: 1800

Opmodes: all Drive Status: en/dis EEPROM: yes

Last modified : 3/8/2000

MFOLDT

sets the time constant for motor foldback. After the drive enters the motor foldback state (MFOLD=1), this variable defines how long it will take the drive to reduce the system current level to MICON. See also FOLD, FOLDMODE, MFOLD, MFOLDD, MFOLDDIS, and MFOLDR.

Firmware Versions: 3.2.0 and later

Type: variable (R/W) Range: 1 to 1200

Units: seconds Default: 600

Opmodes: all Drive Status: en/dis EEPROM: yes

Last modified : 3/8/2000